

NATIONAL LIBRARY OF MEDICINE

Bethesda, Maryland

Westfield Athenaeum,

WESTFIELD, MASS.

No. 195 Class 1

ABBREVIATED REGULATIONS.

Any person shall be entitled, under the regulations of the Athenaeum, to the use of the Library and Reading-Room for one year upon payment of two dollars, and for six months upon payment of one dollar.

The books shall be divided into three classes:

1. Books of reference, which shall not be taken from the Library.
2. Books for circulation.
3. Magazines.

Two books only of the second class shall be drawn by one person at one time, and they shall be kept out only two weeks, but may be again drawn by the same person, unless they have been called for in the meantime, in which case they shall be retained in the Library two days for the applicant.

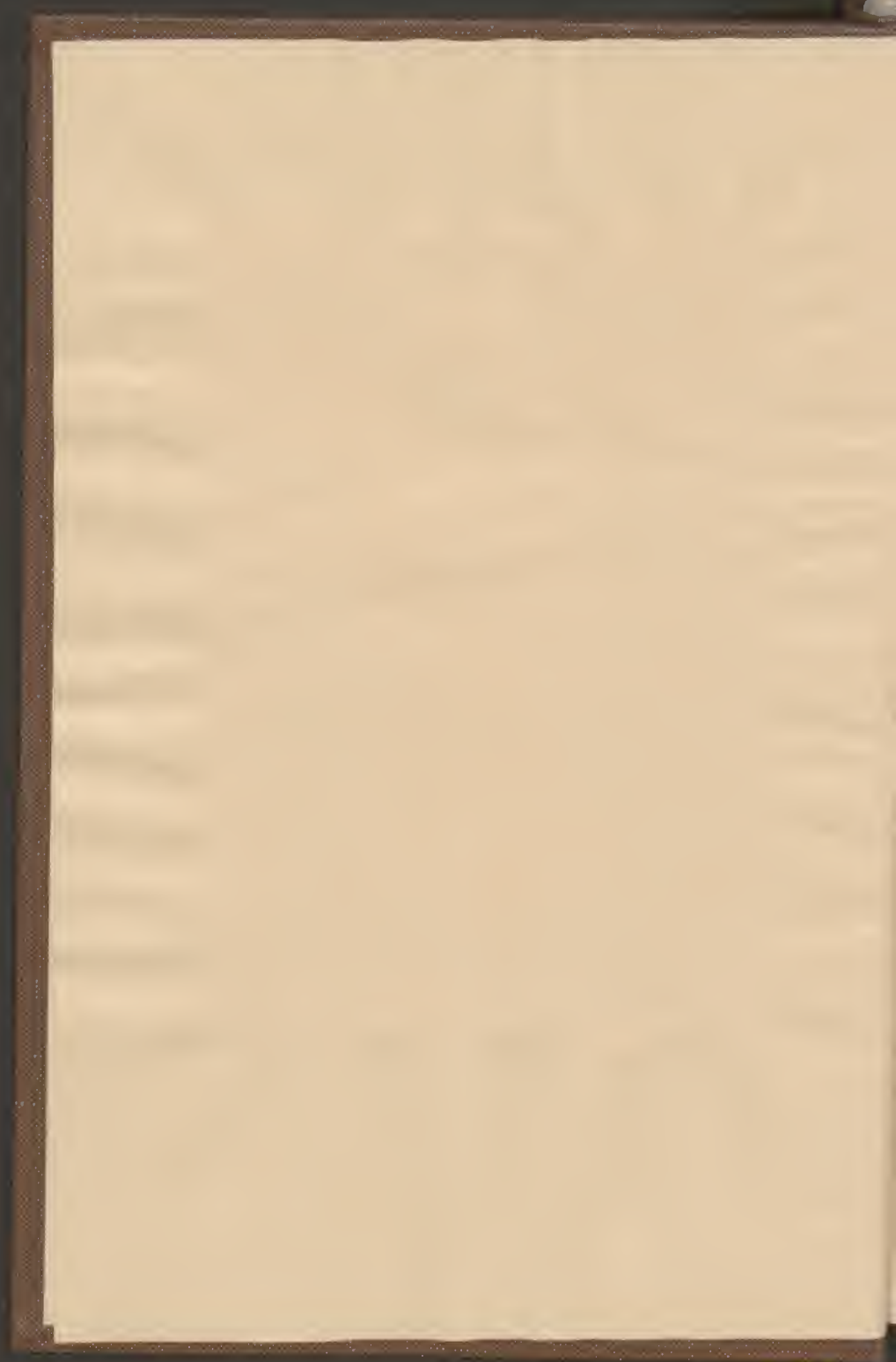
Magazines shall be kept in the Library for one month after they are received, after which time one magazine may be drawn by one person at a time until the expiration of three months after they are received, and thereafter they may be drawn under the same regulations as books of the second class.

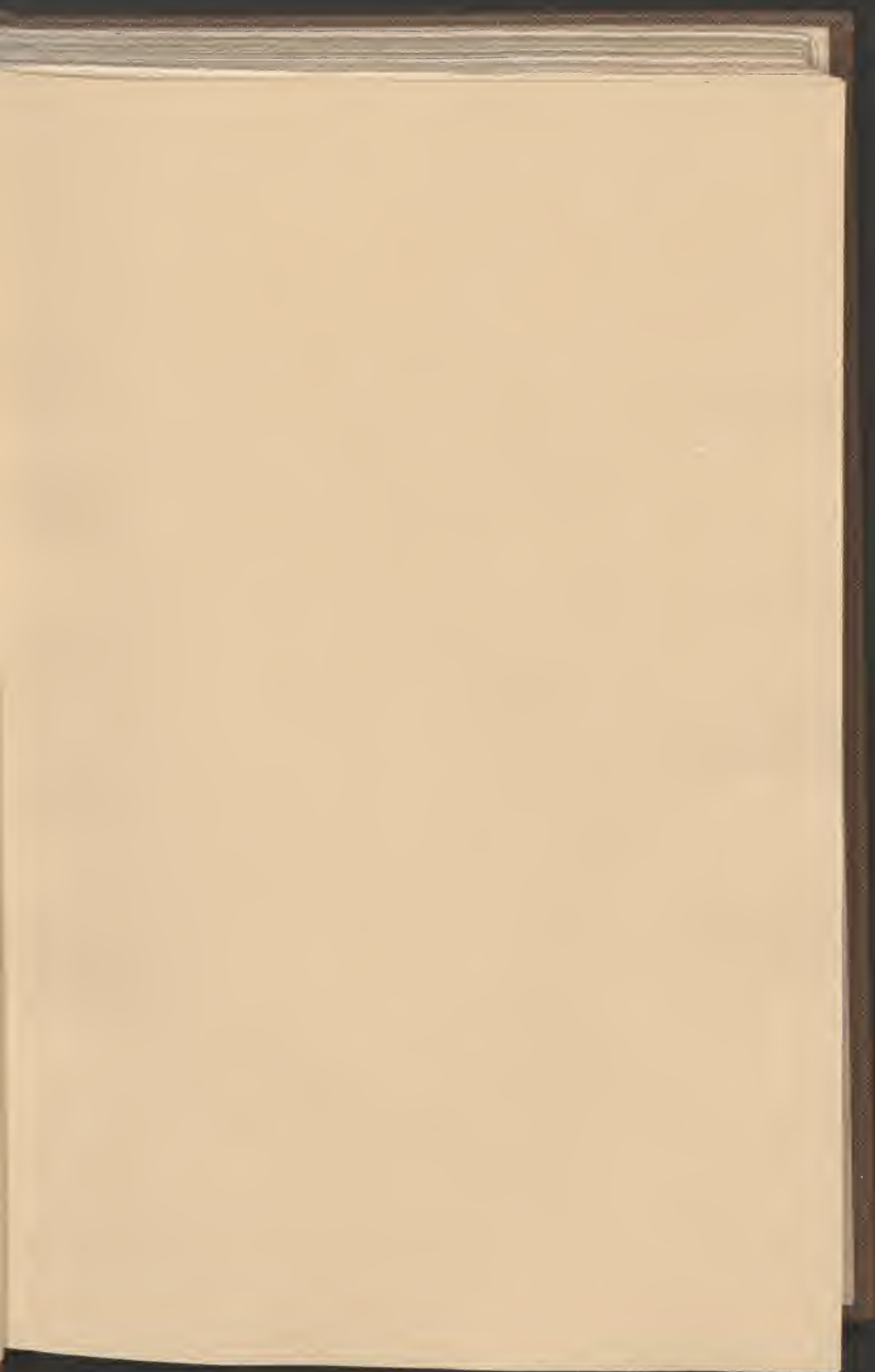
Every person drawing books shall be responsible for all loss or damage to such books while retained by him, and may be required to make a deposit as security against all such loss or damage.

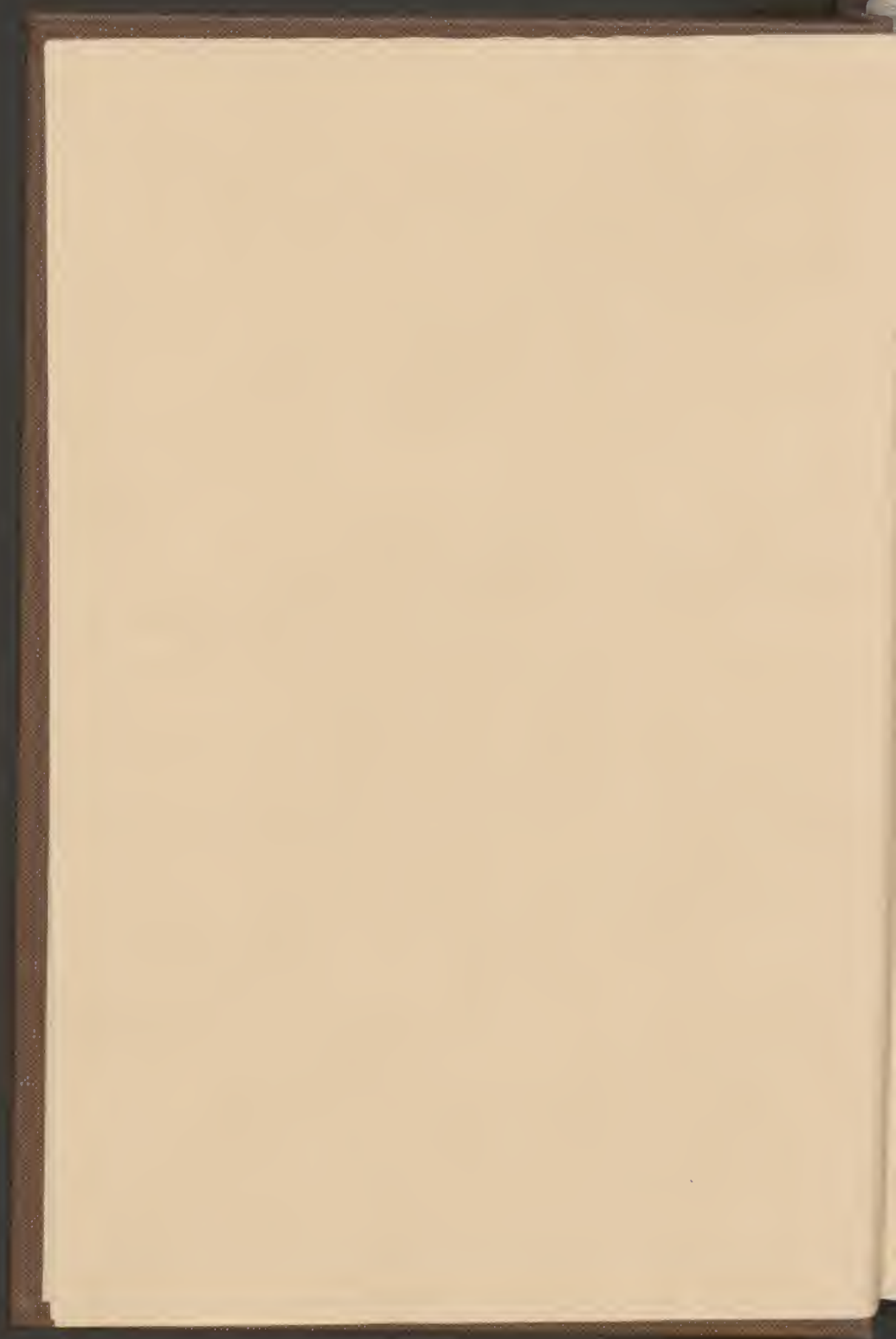
A fine of *two cents* per day shall be imposed for each book kept out over two weeks, which fines as well as all claims for loss of books or injury thereto, shall be paid by the person liable before any more books shall be issued to such person.

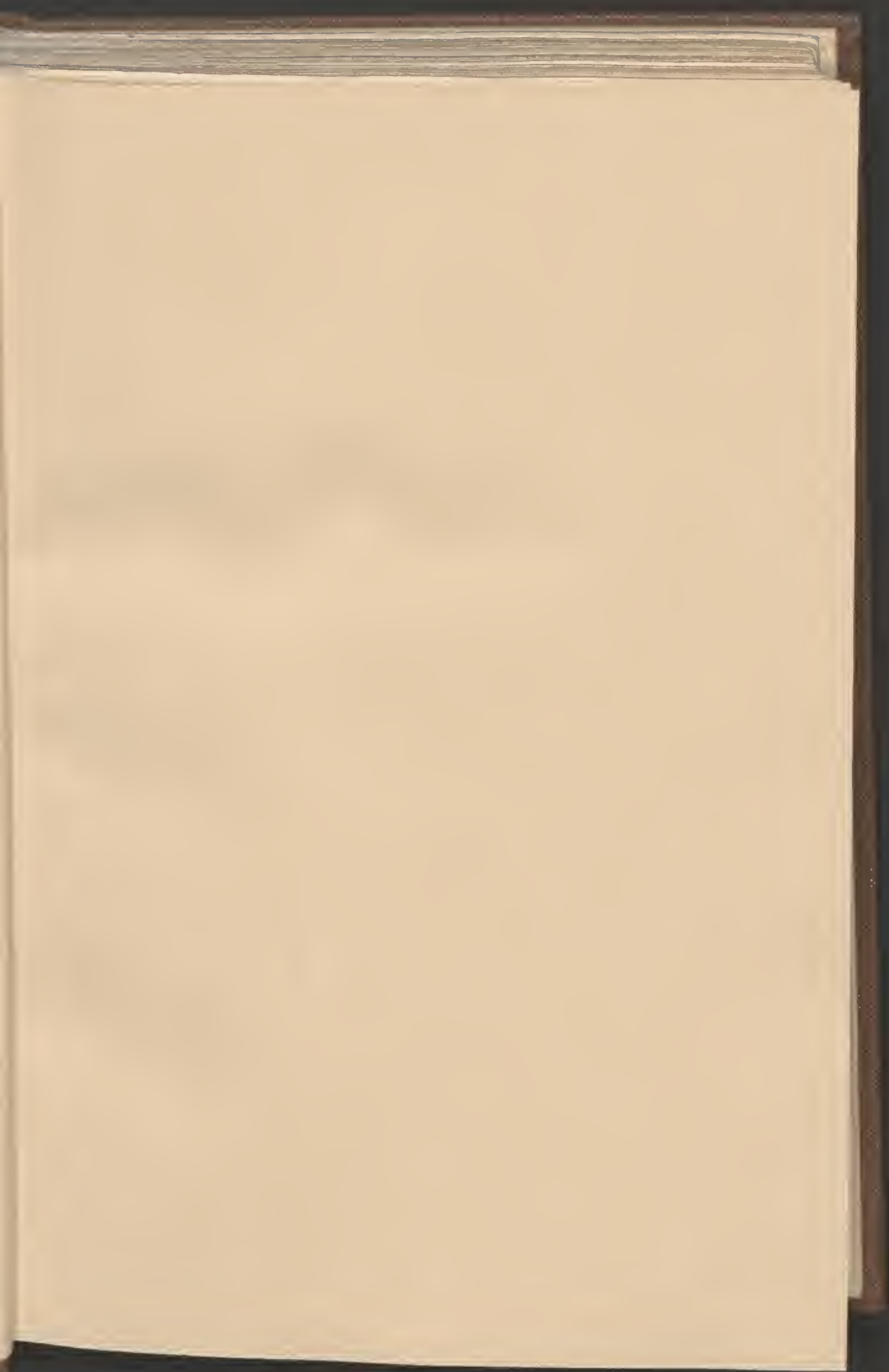
Every person before being permitted to draw books shall sign an obligation to abide by the regulations of the Library.

Every book taken from the Library shall be first presented to the Librarian to be charged, and when returned shall be again presented to him to be inspected and credited before it is restored to the shelves.

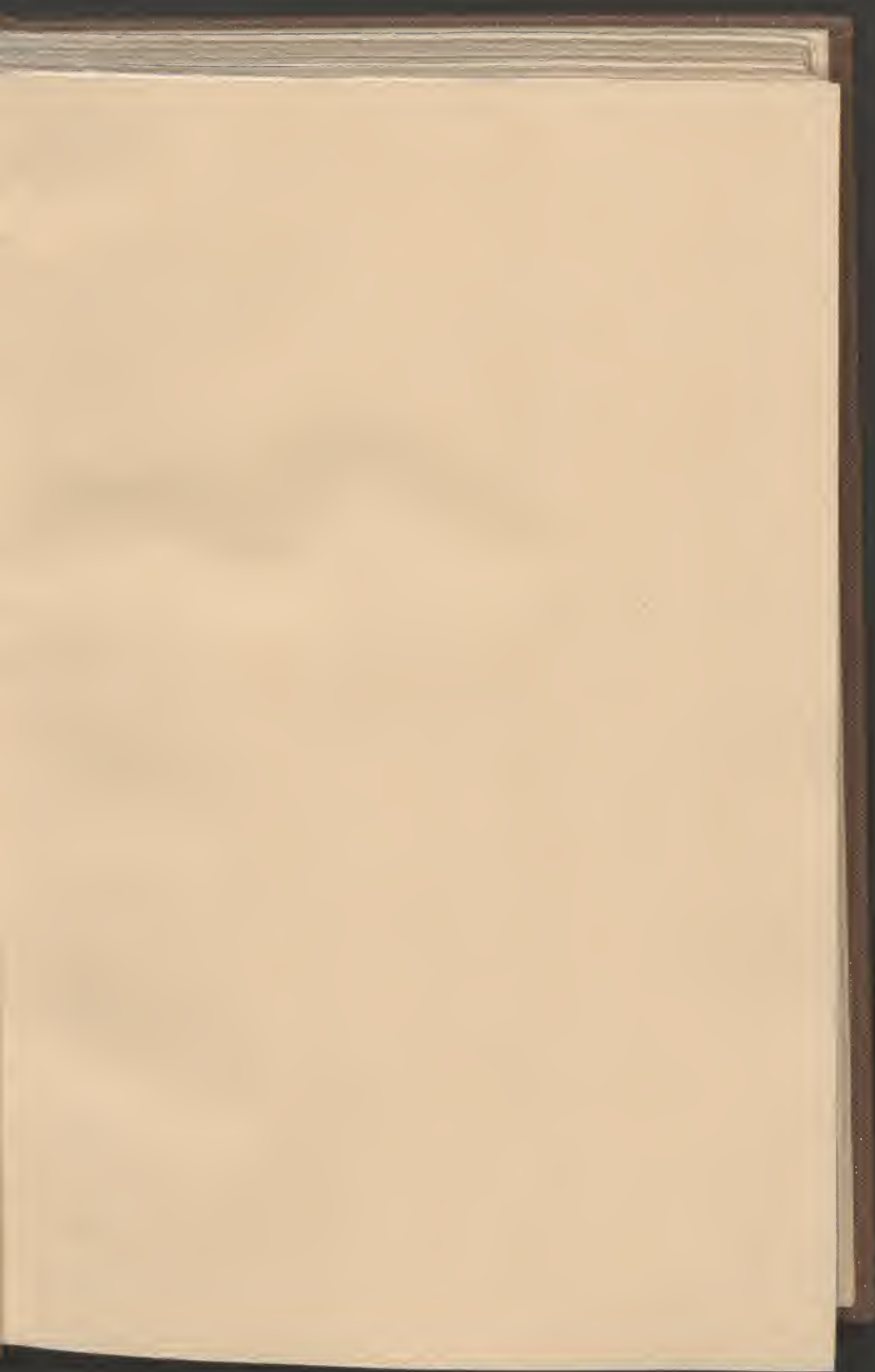


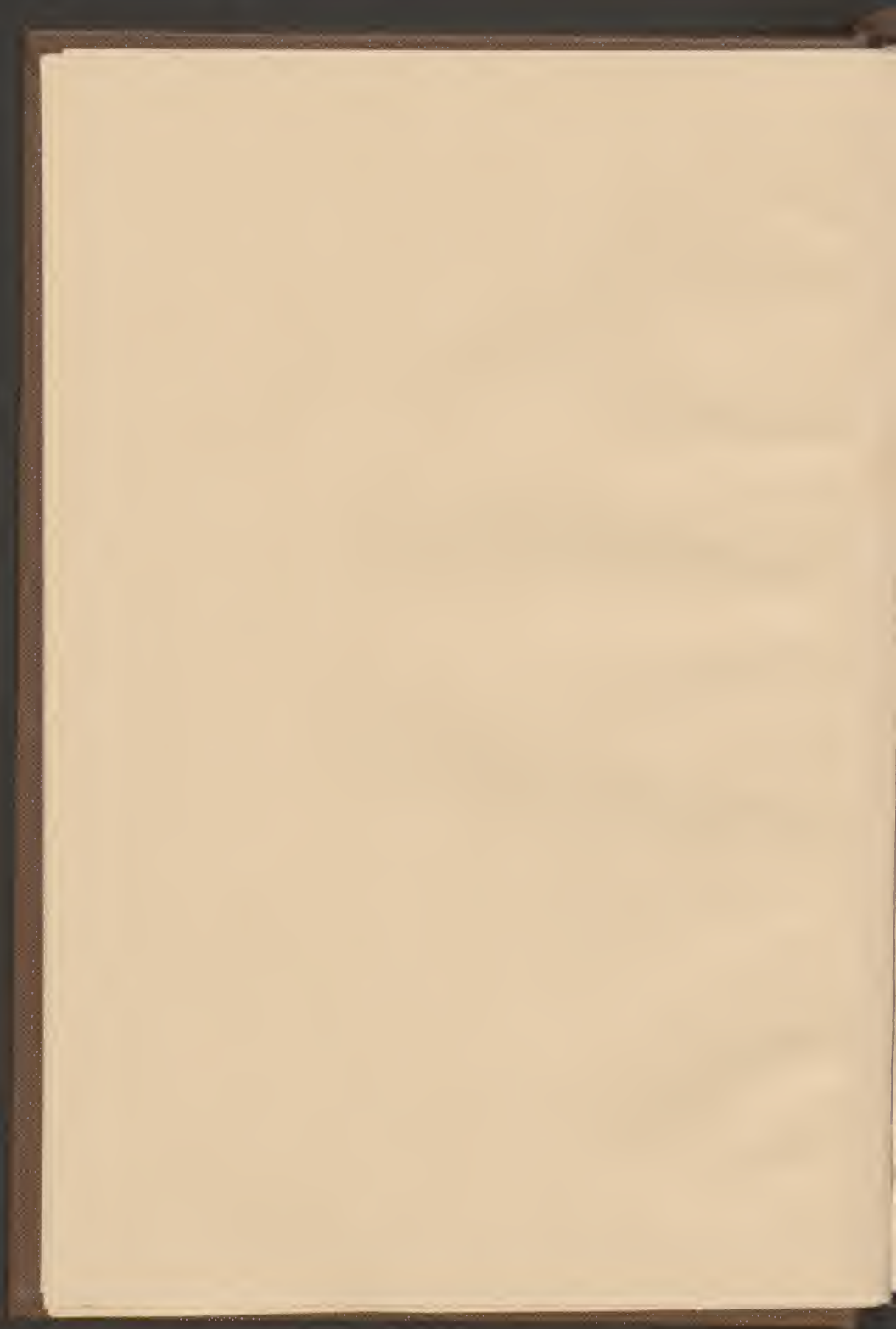










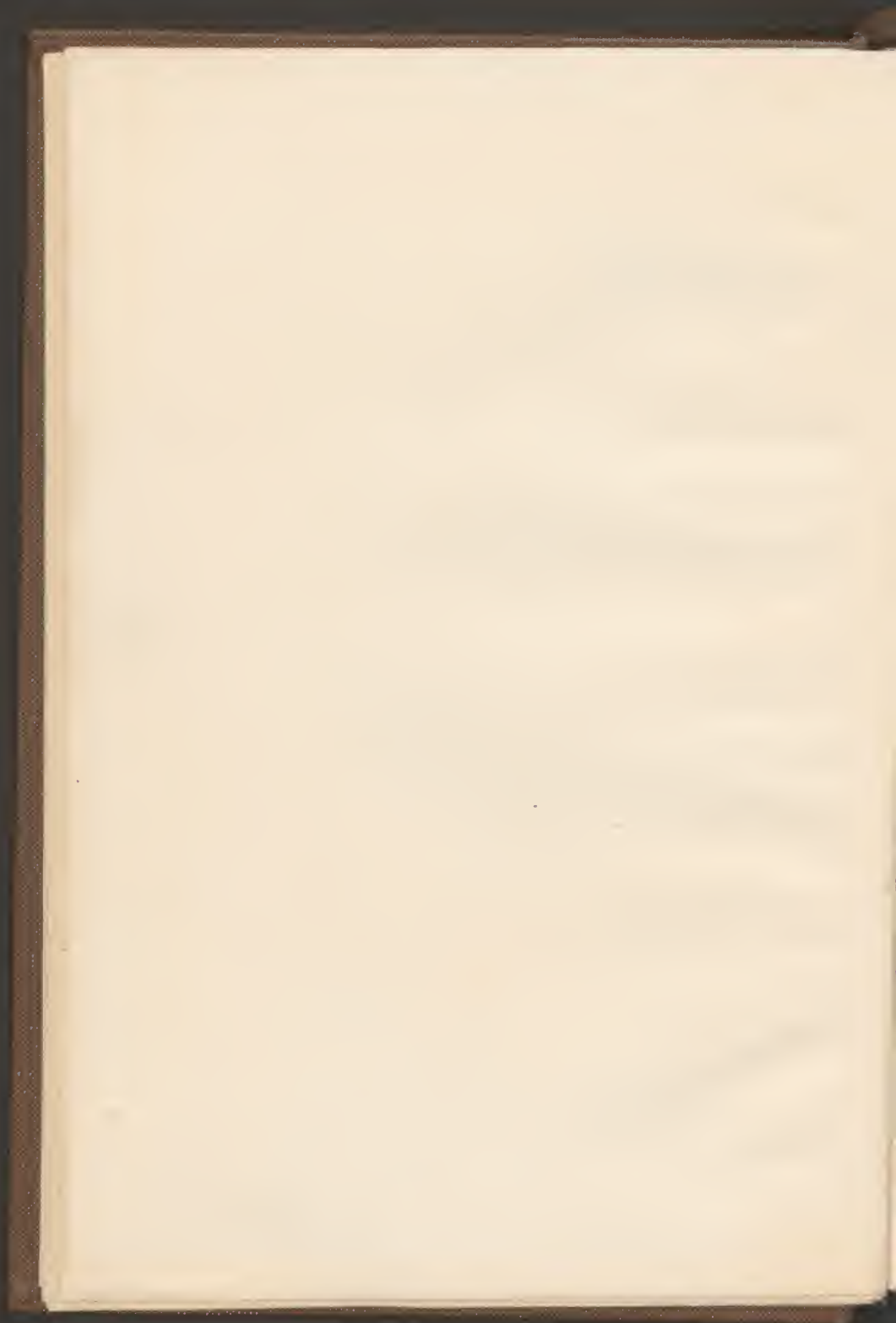


1

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(6)
undula
media



6.

Δ Δ Δ Δ Δ

Nervines

Locate larger or a lessitude, they
nerve irritability and irritability, mobility
by and excitation watchfulness to be
vital & sensation, when connected with
alany or a non-phlogistic state of the sys-
tem. They are different from the & ascolas

Many other caliditate, as a seed of
their nerve operation. But the reader
do not. They ^{the latter} produce a peculiar calm-
ness and pleasurable sensation, a wake-
fulness. Perhaps the ^{caliditate} first

stage of the cerebral irritation of narcotic
and stimulants. This, ex. is to a
time, however, by the disease so
time is conjunction with this by nerves
& not any effect upon the pulse. The sort
of such exhalation is called vapors.

The term antispasmodic seems
objectionable because they do not operate
upon all irritability; & obviate
the same.

Narcotics when pure ^{do not} produce
all the effects of nervines e.g. strychnine
m^m B^m 1.2

2 In which a full relief, as phlogistic restlessness, irritability &c must be removed or cured or lost. If a narcotic it will when pushed produce effects resembling nausea &c.

The friction of long and loose beds, does not indicate stimulation, necessarily, any more than sedation does.

Nervines first relieve irritation &c & are pushed produce ^{wateriness} calm placid & pleasurable state & perhaps exhilaration.

Nervines will tranquillize an irritated pulse after and hence are sometimes mistaken for refrigerants. Whether or they can continued act as tonics.

The stimulation of ether & such things does not relieve exhaustion, but paralyzes merely.

Nervines will not aggravate phlogistic disease.

Prof. T. has been the correct use of nitrous oxide, various others &c rather by way of relieving exhaustion merely relieving the nervous affection.

The course of intoxication is a nervous effect i.e. those things which are visible in intoxication is excited followed by delirium & inability to regulate voluntary motion followed by coma. Hence no article, but fermented & spirituous liquors, produce intoxication. It is a nervous and war

Recap.

1st state 1st an excitant stage a colour described 2nd calm

3rd excited fulness 4th excitation sometimes amounting to delirium

Will you now give so much of an article Perhaps also

the power of producing a degree of cerebral irrit. under which muscular strength is increased

Diff. nervous vary much in the degree in which they produce different states. Some nervous may

be pushed to any degree without the action or paralysis Prof. S. has often seen a

high degree of a nervous effect in the convulsed state of the system

4 In this animal does the opium produce no effect

In birds they are recommended chiefly for mild species of disease

Protox. nitrog. appears to be a useful remedy - as chloro-carbon of hydrogen is hydrochlorid. of carbon & chlorine ether taken into the stomach - also sulph. & nit. eth. by inhalation
Bismuth of rattlesnake, is said to be the most powerful purgative & an useful remedy known
Bismuth of the snake is next - but chloride of mercury is next in efficacy ^{but of the articles commonly used}
It is said also that crocus
Crocus is rather a weak & inefficient
Coffee is a medicine of considerable power
Saffron (crocus) is also a medicine
Cocculus to Phlegmatic & depresso as the
is a medicine but also a most drastic
Cantuar. opopaeon, alopecu. de
have no effect on health but have considerable effect upon what is called the sensibility of the system - most of

6

Nerves, are 1st chemical, or protic
nit. essentially nervous
Hydrocarbon (Sulph. etc) - moderately
nervous when inhaled - a neutral solvent
is not essential, but nervous when taken
Chem. etherous or empyreumatic
hydrocarbon of hydrogen - a pure ner-
vous. Sanguinolide of carbon - a
liquid - but solid at low temperature,
odorless. Spiritus (or aether), psycho-
active.

2nd nervous animalia - it must
be sweet - Castoreum - web of toe -
ammonia radicans - virus of rattlesnake - oil of bank.

3rd vegetable nerves - coffee - cap-
sicine, piper. hirsute, opodelanth
pure nerves - used for medicinal
purposes by irregular practitioners & by
the physicians. Spasmodic, hysterical
(doses etc) - Corallorhiza can tro-
phica - both pure nerves - the latter
has considerable nervous power
Flowers of crocus, sativa
Seeds of vanilla, etc. - Sassafras

7
Pulp around the seeds of *Bixa* (Brazilian)
- called annatto

Dipteris odorata (Tongue tree - used to
scent snuff) - the proximate principle is
Eosmoricine - a concrete ^{ess.} oil

Root or essential oil of valerian -
neither narcotic nor stimulant

Polynisia graveolens - nervine

Root of *Paeonia* off. (*Paeony*)

Fruit of *Adans.* spec. of *Bavia* mbrare
(this black eye) - *Gerobea fragrans*

(the green fragr.) - possibly what

Senecio aureus, & *balsamitae* of *Pae.*

^{argentea} root vide *Proc. 3.*
Supers. descend. super of

Perula arborescens & *opopanax* &

Persica (called *Lagapurus*, *Agnes*

- a *Ammoniac* (called *arsiniac*)

called *Heracleum gossypifolium* - but
this is the *N. Pyrenaicum*

Geranium (referred to *Bala gallica*
but from the *Bala* name of it) - All

these are inspissated caps

Root of *Gerthysa pubescens* - might be
expected to prove nervine - but there is the
best testimony to it being aobstinent

There are two species said to be found in
 Mexico - one is viv. ambrosia elation
 (ragweed) bitter - Scorum, Cardi-
 acea - given to disease but is a valua-
 ble article Coffee is a pure narcotic Sea
 - 2 species & narcotic

1st Nervines of Am. origin

1st vol. esp. all of n. & s. Am. - skunk
 There are said to be 5 spec. by some - others
 - - - - - doubtful but all are the same

Called also m. chica - for other
 sp. ind. Ed. in eye. It is a generic
 character of the whole genus that they have
 Called also viverra & mustela

Bobcat of Europe is a different plant am.
 viv. master - - - - - (Kane & Cole chat)

Two small eyes between the anus & tail
 Probably the skunk cannot project the
 lig. or 2 feet or even one perhaps.

It defends the an. by blinding
 the eyes. The two eyes are about the
 size of a nutmeg ^{lost} contain from 5/100 to 3/4
 of oil. The lig. or shoot the an.
 through the head or neck on heart.
 Take out the sacs with their contents

ducts - squeeze out the liquor into a
vial without letting it touch the neck of
the vial - stop ^{out the end of the} close - yet it will pass -

It is a light amber col. liquid
always liquid in our climate or fresh
olive oil - and to be

Taken internally - a drop or two - 2 or
3 times a day - it is a powerful
antirrhoeal & emetic - though it
has never been made to produce exul-
ceration - It is also a pure nerve

consider, it very nearly allied
to musk - but far stronger.

It is best to keep it in very small vial
of wax & glass - The convenience
is that the least contact produces
the most powerful stench! Probably
no dangerous consequences could result
from an immoderate dose.

When a very little of the liquid oil falls
upon broad cloth it appears like a green
grease spot covered with dust - ^{the see +} cannot
be eradicated

16 *Euphrasia asaccharata* (called *St. John's Wort*) has been much relieved better by it; than by any other article - taken during ~~an~~ an exacerbation to relieve it - & between them ~~the~~ to keep them off.

See Prof. J. G. Beer. Even the inhalation of the vapor, has relieved the disease. Dr. Comblin was relieved for two years - in consequence of the killing of a skunk near the house & the vapor remaining in the house during that time. Prof. B. has used it for 8 or 9 patients - one of them has been cured by it all the while. It keeps off but does not eradicate the disease.

Woolen cloths upon which a few drops of this liquid had fallen have retained the odor for years & their use been entirely abandoned. The best way to eradicate the odor is to wash alternately in alcohol & soap & water. Perhaps sulphuric ether might do

11
Pinnip of *Candidina horrida*

It was the original skin, with the name
of the owner, mounted by him and
acquired by dark coloured transverse
bands. The skin is readily procured
by the rattlesnake. In a rainy and wet
season the rattlesnake is not found and it
is not used. It is not certain that a new rattlesnake
is found with every one at each skin,
many are lost by accident. Hence we
cannot reckon the ages of the rattlesnakes.
There is one another species, viz. *C. durissus* a

The upper jaw bone on the left side
the bones at the ~~base~~^{base} of the head are the cranium
or base which contain the brain and situated

above the eye the eye has a lens of glands which
secrete the vision. The vision of the rattlesnake is a
transparent yellowish red. The very strong
vision of the rattlesnake is perfectly blind like the
eye of the rattlesnake which the rattlesnake itself have
not been investigated.

The vision of the rattlesnake has been exper-
imented on by the rattlesnake in 1824

a delightful exhibition is said to be
produced a slight flick of the tongue

12

...like a ... nerve ... like
the ... it ... of type,
... of the feet ...
... of the ... and ...
... of old ... was produced by
... use

... to increase the animal heat
... to act on the ... not to af-
fect the pulse

... have found similar effects
... to differ from ...
... in the quality than in the strength of
the ...

... 1st type. nerves, ...
... with ... & ...
... & ... greatly relieved
... cured

Ecphyronia Melanctha ...
... point ... paralysis, also

Form. — ... or full of
the ... and ...
... better

Web of *Tegenaria domestica* medicinalis

Used almost like in modern times but
the old writers did not discern in it, or
at least did not inform us what kind of
spider was used. This species, is said

to be the - eyes 8 ~~the~~ upper ones - curved
1st pair of legs longest - 4th pair next 3rd next 2nd
shortest. In habits, cellular, - abstruse

As the species of
the gen. form a horizontal web with a cy-
lindrical tube in the form of a funnel

Other species are supposed to be used as well

The geometric spiders are not medicinal

Spider's web is a standing article in
old dispensatories but in modern times
has gone out of use. Its effect in curing
intermittents have been attributed to its ag-
grivation

Dr. Chesnut quotes R. Jackson
who thought it was an antidote & particularly
superior to opium. He Dr. Jones so tried
it successfully

he himself said that he was a rare quality
 His patient came under illness Prof. T. is un-
 able to explain

Prof. T. is rubbed all up with chalk
 a great quantity. It is a very large
 quantity

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 a great quantity. It is a very large
 quantity

Subcutaneous is the effect of the drug after
 recovery - given after bleeding, puking & purging
 (according to the routine practice - the rest of
 late years a majority of cases are protracted by
 the patient's own simple interest in a
 phlogistic - is a case cured of a phlogi-
 tic death, is brought on - hence cured by
 lance & stimulants. The whole case is the same
 as a phlogistic - the patient is not costive.

Some practitioners give a large dose
 of sulph. quin. & call it Cal. of the pro-
 longed the next day to be surprised to find
 the patient cured)

When this article comes under attack it
 is so effectively so relapse. Prof.

however has produced all these effects by sulph. quin. given freely enough. He has cured parabsia induced by giving sulph. quin. & calling it malum il. Dr Jackson thinks Siga-
ria better than sulph. quin. but it appears from the effects ascribed to it to be no better. Prof. Siga-ria and quin. is a stage of malum il. just as Dr Jackson gave spiders, etc. Dr Jackson gives no reason for promising recovery & cath.

Idiopathic hetic 5gr every 3rd hr. in
acute and the exacerbations, eyes spar-
ked &c. 5 more scruple was obtained
from wine or spirit. (Dr Chapm.)

Inevitable & ill conditioned ulcers - after
the pain was sharp but they healed spee-
dily though it was not the standing

Cephalia hemi-crania - breaks it up

|| The web of sand to be moist with the
when new it is said to be sublimed & vis-
cid

Muske?

Musculus muscheferus (Linn.) inhabits it
^
^{alpine} mountain of Tibet greater Tallying Hindoo
legs longest weight 25 or 30 pounds live
ly The muscle is found in a bag 2 or 3 inches
in diameter between the prepuce and ma-
nule & the male. It is fed in broken
arbuti - vacciniis so. During the
breeding season (November) the male fight
for their mate.

Meat is brought in its own hairy
bags. Solid, granular, dark brown or
reddish like coagulated blood (some hot),
taste slightly bitter. Odour ambrosial &c. &c.
Is easily soluble in water & alcohol. You
cannot give enough of the liq. without giving
too much alcohol. Ether is said to be a
better solvent.

There has been no analysis
It contains an ess. vol. oil, cholesterol
a little gelatin, potassium, calcium, carb. an-
d. so. Probably the oil is the principle
The properties of cholesterol have
not been investigated

The men pullets, are said to be re-
curals, a fusion of the chona, cappa
silo. &c. &c. No regard should be
paid to their uses, without explanation.

In an efficient dose it produces
a sensation of heat warmth and a glow
in the stomach. Next it obviates, languor
& lassitude, irritabil. mobil. wake-
fulness (of irrit.) singultus, an irrita-
tive affection of al. Can. such as vom. &
diarrh.

It produces the placid
& pleasurable sensation but not the
exaltation of nervous. Prof. J. has
not known that it produces wakefulness.

Prof. J. has never seen it increase an-
imal heat in low cases, nor give real
increase of vital energy. A pat. who
was enabled to walk & ride from the
relief of languor & lassitude & yet not
stimulated.

Cautious appears to produce no in-
crement effects.

Prof. J. objects to the term as too
spasmodic, & one including a great variety
of remedies. Cautious would probably

in the efficacy of a most judicious dose
 can e.g. bilious, nervous, epilepsy, &c.
 Ordinary slight convulsions it will probably
 palliate

It is also said to be diaphoretic
 & diuretic & aporetic. It is merely an
 irritant & produces these effects merely as such

Dose 6 to 20 gr. (Murray) 5 to 40 (Swediaur)
 2 to 60 gr. (A. T. Thompson) Prof. F. has found
 1/2 gr. the median dose generally as much as
 this is necessary 5 gr single doses after
 1/2 gr A. T. B. Specac. Sulph. Quin. &c.
 produce no

Proper period of repetition 5 or 6 hours
 (Murray) 3 or 4 (A. T. B.) about 3 hours
 1/2 Prof. Fully A. T. B. In a powerful disease
 the effects of remedies pass off sooner

Given in form of bolus (Murray) Prof.
 F. objects to the form bolus in general
 Pharmac. cent. preps. 1st powder, & given
 in sugar water It may be ground up
 alone or with sugar It may be given
 1/2 in pill made with a veg. extr. e.g. cat. gent
 or cat. con. Or in tinct. 5 gr to 1 pt alc.
 (Dublin & N. S.) A person could need a

garden path h. etc. 1/4 to 1/2 (Paris Ph.)
 Live in cures to the tutting children
 in convulsions (Murray) the improper remedy
 for the tetan.

It is an all irritative ^{non-phlogistic} disease.
 to obviate restlessness, irrit. motion &

Trunk is recommended for all convulsions,
 & spasms. It can however be considered

as no more than a palliative in some of
 them.

One of Prof. P. says as
 they found it the best and safest in typhoid
 cases, that he has never tried. Epigastric

trunking is also admirably relieved by

it. Life is apparently prolonged by
 it in desperate cases, for days. It would

be thinks be admirably adapted in cases
 of poisoning by narcotics, but not fish?

The symptoms, numbness

Diarrhea, Dementia, Cholera,
 typhus, gangrene, convulsions

The diseases in which it is recommended
 for the above cases are. Convulsive
 convulsions, tetanus, &c. &c. But little

dependence is to be placed on these

Musk must ever be scarce, costly
and liable to adulteration. Unless the
animal can be domesticated & the musk ex-
tracted without killing the animal, musk must be much
needed.

Medicinal substances nearly allied to
Musk 1st Civet from the Civet
found near the anus which

- f) The article called musk is produced by
a civet. The animal is scarce in India
& is extinct, extracted without killing the animal.
The musk rat musk is a better musk than
civet - a substance of similar properties

Calodon or Physalis macrocephala, producing
A. benzois - which is found in the cream
and also floating on the sea near Chi-
na &c. in irregular masses, &c.

Prof. ... it probably a fixed grease oil
It is called a Chin-lan-lin. (Croc. Ed.
& I have found a corroborant of the
news - an aphrodisiac &c. It is a re-
markable and a valuable one. Prof. ... is in-
clined to think it one of the most powerful

22,

of the resin, - not exceeded by any other -
 less it be by way of rattle snake & then to
 & by much. It has been omitted in the
 Eng. pharmacop. - but has continued in use in the
 U.S. - Under dose, 6 gr. to ʒss. \

Drop. to be given at least ʒss generally.

Paris tinct. is ʒss to 1 pt. alc - dose ʒss
 to ʒi.

Castoreum

Castor fiber - common beaver (glives)
 - the only medicinal species.

Castoreum is a peculiar substance
 but analogous to musk secreted
 in cells near the anus.

It is a concrete consisting of a natural
 sac, connected together - one of them
 containing the true Castoreum - the
 other merely a fatty matter.

The Russian cast. is the only one used
 in Europe - & is superior - with us
 the American is sold under the name
 of Russian.

Said to contain Castorine - a pe-
 culiar principle of the active ingredients.

Russian Castor is reddish brown, bitter
 &c.

Castor oil is very little soluble in water,
 but is dissolved in alcohol.

It is a nervous & drastic of the same
 properties. Murray is wrong in considering
 it a weak article, because it produces little
 effect upon a robust healthy man. For in-
 stance a healthy man took $\frac{1}{2}$ of
 oil grain without any effect whatever.

I believe I speak of it generally (Ed. 5th)

It will not cure me of the

1st Asthma, as the (which does not exist)

Castor is certainly too gentle for common
 asthma. Indeed most English prescrip-
 tions for Asthma are utterly inefficient.
 To also in Dyspnoea ex ac. Prof. T. has
 seen it tried.

Chlorus sanguinis - Convulsivus hic com.

Prof. T. has found this also too inade-
 quate a disease. Prof. T. cured me very

inadequately (a feeble slender man)

by a full bleeding to increase susceptibility
 then by Fowler's sol. Sulfur

Hysteria (historia & hysterica f. A.) is
too formidable a disease, to allow
Epilepsy. It also often involves

Caster is useful like other
weak nerves, not for curing any
particular disease, but for obtaining
particular symptoms of the etc.

Pharmacopoeia prop. Powder
in warm water seems to be the best
Having the tincture, given to
the etc. Pills, are not dissolved, espe-
cially enough.

One 10 or 20 grains, too small
if used as cast 3/10.

Tinct. 3j to 2pt off. alc. (R. S.) is
altogether too weak. For the Ca-
in ch. is too weak.

The Paris gives 34 to 1pt. But even
this is too weak. The other is too weak.

For the tinct. 3j off. cast. 3/10 are perfect
1st 1st and. This is efficient

Clavum animale empyrenis alium
 called also *Dipsels*, & the an. oil
 made by distilling *Clavum* in
 a close & dry vessel
 At first black afterwards white turning
 brown on exposure to air - very fetid - ac-
 cording to the taste. The oil roasted in a
 coffee roaster give off the empyren oil
 causing the intolerable stench & pro-
 duces what has been called an. Chere.
 & has been said to be an effluvia, article
 The an. oil is likewise said to be pro-
 duce the an. oil. Dose, ʒ to 20 grs. E. & G.
 The article is said to be more pro-
 duce the most serious.

Recomendata in Dyspnoea exacerbat.
 & also recommended to break up in-
 termittents. Much used on the coast of
 East Europe even for a bruise &
Empoia hystria, convulsion, & epilep-
tica E. & G.

Scutellaria latriflora

First employed for Dysentery in 1773 by Dr
 Anderson of Edinburgh & by others, in-
 cluding other not physicians who received the

knowledge of it from him.

First publication was in 1809 by
Walter Bence. Advocated by
Cotman of the Evening Post & by
Mr. Spalding & others.

T. B. A large proportion of
cases of rabies reported are drawn
up by unprofessional persons & are
not rabies.

The only two physicians who have
received in this article are Drs. Spal-
ding & Thatcher.

It is also employed for tetanus
and chorea. In many re-
ported cases other articles have been
used by mistake - e.g. verberna
"icifolia which will make a
"tellosa produce, no appose
operative properties. It has
taste nor smell.

Chenopodium rubraea

Stinking coache. Much valued
in the East of Europe. One of the weaker
nervines, as strong as *Asopachia* but not
anodyne like that. Has a hiccivoid

Scorzonera Carduacea

Althoea &c. It holds a place in all
the pharmacopoeia with 31 grains.

taste slightly bitterish. It is universally
used by the people & also by the physicians.
In one instance it has proved speedily
and actively emmenagogue probably by
its antispasmodic powers.

It, secondly, better ought to be ranked
among the nervine bitter tonics, viz. *bellula*
rupia *marouline* *ulgo* *humulus* *lupulus*
& *Sycopus* *vulgaris* *virginica* which ^{last} is not
narcotic, as is supposed, for they produce
no effect on the brain and nerves of a healthy
person, & no narcosis ~~at~~ upon the sick. &
Sycopus *virg.* is a valuable nerv. like *Scor-*
zonera. Cases of ~~an~~ experiments, which pro-
ved it to be utterly unable to produce a
narcotic effect - ~~quart~~ *lupulus*

Gen., 5 lips, etc. without much general
exhaustion cases in which tonic of the
irritable

Peruvian chelidonium, var. irritativa

Amorimia elatior

Roman, common, rugged, woody etc.

// Very bitter, yet not tonic (at least
better art. are tonic) Nervine, & nearest
allied to Sassafras.

It affects the
uterine system in females considerably,

Diuresis. It has been much used
in Hydropsia. Dyspepsia & jaundice, etc.

It relieves dyspepsia, if not the result of

Gerobium fragrans (S. 200 g.)

Commonly called *Angraecum fragrans*

which is false

an orchidean plant from Bourbon &

Isle of France (Mascarene islands) - also

from the borders of the Red Sea. 24 sp.

have been ascertained with half a dozen

years. 14 in med. ind. 3 in medec. in

Brazil etc. Grows upon the trunks

of shaded trees

35

Used by the ^{Indians} to make a
pleasant beverage. Gives a pleasant
odour to water. The leaves are
used. Vide Revue Medicale

It is now considerably used in Paris
& has been distributed over the world
Called by its investigator (Gonard)
narcotic etc. but his account care-
fully considered & seems to describe
a service merely & a substitute of
stimulant powers, as he thinks it con-
traindicated in debility (probably be-
cause it will not relieve it. It can-
not be tonic because it gives it in
phlegmatic cases

It is not considered as a very powerful
astringent & may be used ad lib.

Used in infusion mixed with milk
Recommended in Dyspepsia & Constipation
Dyspepsia - Paroxysm of Asthma
all cases of irrit. of lungs.
Acute & chronic pleuralgia
Catarrh, for ^{the} cough. Phthisis (probably
the tubercular)

Senecio Aureus

The whole plant has been used but Prof. T. thinks the ^{root} only part which is medicinal. Called *America* Valerian & supposed to resemble the off. val. Given in infusion. It is *moderately* nervous Prof. T. thinks, more so than *Castoreum*.

Senecio hieracifolius

Hieracifolius: Employed in some parts of N. Y. Prof. T. thinks weaker than the preceding. Called *consolidant* & *astringent* - & popular in dysentery but it has scarcely any medicinal properties.

Paeonia Officinalis

Common *Paeony* Taste & smell like *Valerian*. Root most active.

Said to be narcotic antispasmodic & astringent Prof. T. thinks, it neither narcotic nor astringent, but *moderately* nervous - stronger however than *Castoreum*. Much has been said about this as well as other nervines in *Intermittent* Pullulation in Epilepsy &c.

Crocus sativus

Common saffron (not what is so called as
viz the East India) some saffron belongs to
the natural. Evidence. The petals or
stigmas are the parts used

taste aromatic & bitter
No accurate chemical analysis has
been made. Of the truth is given
too much also will be taken. No of the
wine & the vinegar. Probably the sub-
stance is the best form.

Said to be stimulant, narcotic &c.
Prof. S. has experimented on it & con-
sidered it as a pure narcotic. It may
be made to produce the peculiar
calm, placid & pleasurable sensation.
Perhaps it may be made to produce
slight exhilaration

Recommended in hysteria (i.e. hys-
terical death.) & all nervous aff.

It possesses considerable power in relieving
vom. of stom. nausea & vom.

Recommended as a sedative cathartic in
dyspepsia

Probably it has gone into disrepute because
false powers have been ascribed to it

It is an ingredient in tinct. ab. can. myrrha
(chir. soporificata) & rhuco, it is also in
its operation. It is an ingredient also

in the comp^d tinct. cincl. - which is a val
uable indicated absclor. Also in tinct
rhuco & t. rh. comp. But in all our
shops, the worthless castor.

Dose in p.b. 30 gr. t. 3j. Prof. S.
Ext. 15 gr.

Coffea Arabica

A small tree or large shrub - 8 to 12 ft high.

The un-parched seeds do not possess the
power of the parched.

Because it is so extremely used in diet it
is supposed not to be capable of useful
application in medicine. It is useful if

sufficiently strong & not mixed with food.

History of it is to be seen in the Power

Power of the seeds - Power

Active principle, caffeine - a white alkaly
substance like urea in this

34

Said to be stimulant. Prop. S.
could not effect this operation

Called antispasmodic - but it is use-
less in none of them - unless we call
cholera & dysentery spasms (but they
are not spasmodic diseases)

Called Carnitative (i.e. acting like
a charm) - also calafacient but it is
not.

It is, essentially, active in
obviating large blood - also in pre-
venting sleep. It will also produce,
besides, the calm & pleasurable sensation,
a certain degree of exhilaration

It is not at all narcotic

The unpurched end, have no more
activity than dried peas

Recess. in intermitten, headache
catarrh, polyseria etc.

But it is most useful in Dysent. exac.
& with. - first used by Sir J. Floyer
to check the sea, without burning it

Pulverized when hot. The dose,
 $\frac{3}{4}$ to a cup i.e. $\frac{3}{4}$ to 1 pt probably
a saturated infusion. One such cup
will relieve a paroxysm - if not re-

heat once in 24 hours until relief is obtained

Dr. W. Bringle added her opinion & remained in bed. Good results, anti-
 -power, to coffee

Simplicia - Eleonora

Beata Tea from South America

Used as a substitute for tea & said to
 be in the best substitute. Some of the
 nervous powers are ascribed

Hibiscus, Helioscortus

Called musk okras. Native of S. I.

Seeds are extremely agreeable to the nose

It is a nervous, very strong in its opera-
 tion - produces exhilaration even

Cultivated in the country

Dr. Quercus of Jamaica said ~~that~~
 the ~~seeds~~ - read his work on S. I. of J.

Dr. Prof. T. would add 34 to pt.

Said to be useful occasionally in Puer. galacta

Much used as a perfume or cosmetic

Our Hibiscus are generally
 mucilaginous. The H. muscencus is
 said to be purgative & antispasmodic

Vanilla aromatica

Epilendron vanilla *g. aromatica* of both.
Nat. ord. Orchidaceae

Woody, climbing shrub - South Am.
- Mexico. Peric. a bilobed pod i.e.

a capsule shaped like a pod. It
may be seen in any of the shops - used to

It affords a very elegant ess. oil
The seeds appear to contain an action.
from this ess. oil. & benzoic ac.

The best preparation is the ess. oil.
- next to it; the powder

The principal & probably its sole op-
eration, is a nervous one

It is to be stim. & aphrodisiac.

If dose 30 to 50 of the powder

It is used to perfume & flavour chocolate
& is supposed to increase its medicinal prop-
ties. of oil 10 to 30 drops

Diplazium odorata

Sargassum Tonga (Persoon) *Coccoloba* &
odorata (of older authors)

Tonga (or Tonga) bean - Nat. ord
leguminosae. Guiana.

Seeds are used - their prox. prin.

is Coomerin - which exists abundantly
also in the flowers of *Althea rosea* aff. - crystals
lattice, so. & is probably like Camphor
a concrete vol. ess. oil.

This is not stimulant - probably is
narcotic. This used for scenting
crafft & in many.

Tree of camomile probably would be same as
camphor

IP *Tetranthera Pectinaria* Pichura
Firmly Laurus, ~~Pectinaria~~ Pichura. Off. name
~~Pectinaria~~ *Pichura* saba. Called also Sassa
parasit. From Brazil

It affords a concrete greasy oil & a bit
of resinous & a vol. ess. oil which
is resinous

Called Camiactin & is a stimulant
(nervine) & pedicifuge (probably ant
tumorant). Pectinaria used for Col
ic & flatulenta Diarrhoea. so. Vides
Pharm. Batava. In the article
by the author of the Brit. pharmac.
To also see other articles
Done 21 to 30.

phlogistic death. Said to relieve
anorexia & gastralgia. (Vid. Good. art.
Dysp.

Spasmodic diarrhoea (on
the contin. of Eur.) But the med. prof.
are generally ignorant of the powers of opium
in relieving diarrhoeas.

Extolled in the East for Deines vertigo
of or idiop. dizziness.

Hysteria, Convulsions, Cures, paralysis.
But probably the narcotics have the greatest
power in relieving palsy by increasing
the energy of the nervous system.

This article was formerly
in the British pharmac. & was lately
brought into notice for the cholera.

Cymbopogon Sparanacus
Nat. ord. gramineae, saccharinae
Called *Radix ivanacusa* (Anaropo-
gon is another) & grass oil of men ore.
We have also *Cymbopogon schoenanthus*
of which the leaves are used.

The root near the culm yields the
oil - & when bruised by the feet of cattle
the air around

40 The ~~oil~~^{root} is somewhat bitter, pungent
& aromatic. Probably the volatile residue
like pepper neg. & cubebs, in both
a vol. & a fixed ess. oil.

The oil is extremely pungent, &
disperges a very agreeable fragrance.
This oil is a rubefacient it is
used stomatic & antispasmodic
Pharm. prep. The dried root
is used in a decoction - but & a c. are
in pharm. preparations. The ess. oil is
the best preparation.

Probably the fixed ess. oil obtained
by separating in ether & evaporating
would be active.

It cures Dyspepsia prob-
ably valuable in the irritable kind
Colic flatulenta. Cholera mal.
In the Congressional report the blank
is the of Rad. iavan., a table
to be taken once or two hours - should
probably be filled up with the spirit
- i.e. the essence - or the tinct.

Recommended also in sun fever
in Trop. climate, where true can-

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may due, not exist, but instead of it syn-
ochus, & irritative alone.

Relecia in India for curing inter-
tent (another mesina for inter tent)
Recommended for rheumatism but
topical irritants are not to be used as
long as the rheumatism is acute
Hysteria

This article has been sup-
posed to be the word of the ancients
but a species of valeriana ^{galapargi} has been
thought to be the article

// Polyanthus graveolens (Decand.)
~~Eleon graveolens~~ dodonaea (Parr.)
- called black mustard - worm weed
- hunk weed. But Prof. L. has ascer-
tained that we have 90 ^{or more} snake roots!!
Found all over N. England

It has a strong bitter in our smell, which
proceeds from an ess. oil, resembling worm-
seed & is said to be nervous nar-
cotic & anthelmintic (Other spec. of
eleon are narcotic resembling conium)
First investigated by Scheff a Ger

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man surgeon to the Hessian troops
who published a work on our M. M.

Vide Ben. Smith. Boston.

Highly popular in Ohio, as a nerve-
and antispasmodic

Valeriana

The sp. of the gen. are generally alpine
plants, growing in sphagnum swamps, of
high alt. One spec. grows on the W. L. C. 5

The roots are the active parts of the root.
oil, & the act. proc. proc. Perhaps
also there may be discovered a fixed oil.
oil, if experiments.

It is agreed to be an an-
-i-e. nerve. Said also to be stim.
But Prof. T. has settled that the roots
whether given in int. or in ext. have
no stim. propo. He has not thoroughly
tried the oil with ref. to this pt.

Said to be anesthetic; & they are in fact
resemb. to the b. oil. Prof. T. has not
however noticed this propo. Cases
anesthetic. also

N. Celtica is supposed to be

one with the weakest. It is used in Turkey
to scent their baths.

V. e. is said to grow in the Levant, since de
scribed by him. thought stronger

V. off. is most used in Europe & for a
cold, and not ~~an~~ in a cold. Europe

Cats are fond of it just as they are of catnip
& of bark, only after having been pulled up
and is offered to either

Said to be narcotic. It is not however.

N.B. Unless you wish for it as a cathartic a
considerable dose you cannot distinguish it
as an antispasmodic properties are the result of
a narcotic or a nervous operation

It is not too i. as he, but is. It is
called an emagogue - it is not really a cathartic
It is merely from its antispasmodic properties
or not - from its resemblance to the hellebore -
therefore, it may be more than this

Phos. prop. prepared but
this is a caricature from its bulk, & should be
freshly made, which is also in convenient

The tinct. requires too much alk.

The inf. is too weak unless for milder
cases. The oil is the best prep.

dist. - Diseases. Asthma, Coughs
used as auxiliary & palliative
Recommended for hemiparesis & chlorosis
Medicine mentions hypochondriacs. Proof
has been it of use but service in it.

This dis. generally will not bear very
active medication. I also mention
incipient an anoxia (paralysis of opt-
ic nerve) an encephalitis, & haem-
orrhage. haemiplegia A.B. There are
1st in brain 2nd in spine 3rd in vit. & 4th in
arteries here. & for the 3rd the valerian
would be beneficial.

11 Dose of pure root ʒj to ʒij 3 or 4 times a day: it increases as fast as the stomach will bear. But ʒij to ʒijss to ʒijss 1st. The purest salt of iron as is possible is entirely ~~unprofitable~~ ^{unprofitable} as the active principle is an ess. oil.

The drops by extract waste the valerian.
The aromatic tinct. will nearly be
spt of
one. flavoured with valerian for it
more than a few drops could be given.

4. Some progress the case. Delirium is less
but the cases involved by it are more
old ones. Still one or two days of power here.

ol. val. 10 or 20 grs. alc. 3 ss

45
Chlor.

Carri 3 ss dose 20 to 40 grs

This P. 4

It has found very valuable in various, chronic nervous complaints e.g. Cardialgia
Syncope etc

Valeriana Galun-arsi of Peru
yields a more abundant and elegant
essential oil thought by Sir. H. Jones
to be the same as the N. S. It is not prob-
able.

A species of Val. found near
Castleton was determined by Dr. Rob-
bins to be the V. off. probably it is
the same with the N. S. variation of Frank-
lin's journey

Nervines of Ph.

Nat. ord. Orchideae

Corallopora odoratissima

Called dragon's claw - Insipid. never
root. Adams' race. (Cypripedium)

Throat fleshy & much branched - but small
When fresh smells strong - powder said
to attract moisture from the air

employed by Dr. Graham of

46

Can ton S. de Northbrook - He used it
to promote quickness and diapno-
resis in fever. Dr. Todd Bester &
lead were acquainted.

Probably it is (as is said) deobstruent
& a good aphrodisiac. It is very
specially adapted - ^{skin of power} - that restlessness & dry-
ness. Pure root - does a lot of good.
In some cases - Liquid - use in 2 or
3 drops.

Prof. T. has used it considerably

Cypripedium a cane or
herb. Ladies slipper, more
common plant. *C. spectabile* is
more common in the north & is
used with it also.

The roots have a strong smell &
a bitterish mucous taste.
Grahan above mentioned says in this
with the preceding. It is the article
used as an emollient & by the Thompson-
ists. Rafinesque keeps up epithetics
and gives as succedanea for it. (Ama-
ca. n. out. ~~that~~ is not narcotic) curia

in areas which are also -
since Helen ... it is doubtless
merely

This article may possibly be doubt-
ful - but this Prof. L. has not noticed.
It is especially useful in the same way
as the preceding article.

If you are a carpenter of good name

of the class - hyacinth (Vallisneria)

Cyn. bidentata hyacinth (Vallisneria)

Gallia Adans & Euc One of the
tuberous rooted orchids - but not like
most of them - nutritious & does not
type. Roots are two to tubers

which are used in water, they yield a
resin which joins broken glass
together. Gallia desolata, L. is known as
Godyera pubescens.

Neottia pub. (Willd.) - The whole
snake's plantain - adans violet so
Prof. L. has not used it. The whole
plant has been used.

The Drs. White, Johnson & others
extensive use of it in curing stones

48 It is one of the Rattlebrake in notes
- but it is not all the way, probably
either as a nerve or a deobstruent

Asafetida is more to be relied
on for its expectorant effect, than any other
sort of deobstruent

Dose 10 gr. to 3j (Sind.)
But 10 gr. is a quantity entirely inefficient
except it be repeated very often

A combination of ess. oil of vol. is
highly useful - though the smell is in-
tolerable - being more violent than on
account of the vol oil

Pills made of the gum alone are

not to be dissolved it is better
to cover a little can phor or ess.
oil of valer. or Conium 2oz.

The tinct. requires two or three days
not to be given

It is given in enema, rubbed up
with milk - not very powerful given
in this way It has been used exten. as disc to

Diseases Cardialgia spas-
modica (?) Colica flatula hypochon-
dri. Physconia (Purification of the)

Glandular tumours (Buboes) as a dis-
cussant. Paronchia (the plaster)
etc etc. Dried anise

Sesula japonica

The plant has been referred to various ge-
nera in the books called commonly
Pastinaca japonica

It has been struck out of the British
Pharm., but was thought formerly much
used It is not now considered with any
value Perhaps it is exactly as valuable
as *usafalika*

Stemla Persea
yields the *sagapenum* formerly
much used & perhaps neither in-
ferior nor superior to *popule* &
asafoetida

Selinum gummeferum
yields also, or *aspidosatha* etc with
similar properties

Gallanum officinale
* formerly referred to *Butea galbanum* (L.)
Perbillifera, also like the preceding
Gallanum is similar to ^{in med. prop.} *asafoetida*
in all respects. It is now only
an ingredient in certain plaster -
though equal in all respects to the
preceding

Resin Anine (French)
the product of the *Thymus* *anane*
yellowish resin like *asafoetida*

Ammoniacum

51

Have a blunder for Ammoniacum
as it came from Armenia.

Referred by Willd. to Heracleum genus of
which was in fact the Heracleum

It is a new genus of the tribe Penaeo-
niae viz. *Penaea ammoniacum*
It is native of the North of Persia

Discordia called it ammoniacum by
mistake & hence referred it to Egypt

Said to be prepared by incising &
allowed to drop the gum & then
mixed with earth

A part of it viz. the gum is soluble in
water a part is also so. Has a
characteristic taste water it yields a milky
by evaporation remains a solution of
gum with resin mechanically suspended
It is doubtless

1st nervous in a moderate degree
less so than assafoetida. 2nd destitute
of a strong smell, ^{than the} 3rd dissolves & exfoliates
& disintegrates. 3rd Cathartic in large quan-
tities, 4th externally, irritant & not

52 *Stir* but insolent

// *Q. ac 3 + 3j*

Prop. mistura ammoniac. 3j
water 2pt

Pills, also are used

Emplastrum amon. — made
with vinegar & the vinegar evaporated

Diarrhoea — *Dyspepsia*
the rh. bowels are lax, with bitter
the rh. auxiliary to myrrh & iron
in visceral obstruction, *lospers*, &
Parabaria — as an auxiliary to
cinnamon, *Cor. dub.* & iron

Chronic Cough — in conjunction
with the acid bitters, as *Sericoacacia*
Glicium, &c.

Simple idiop. Cough — but not as
is said, as an expectorant, for expecto-
ration is not indicated, & should
be checked — still an em. is not
to be relied on alone — opium — *Sassa-*
fras — *conium* or *hyoscyamus*, should

Dyspnoea exac. or *steth.* it is much
employed, but to no purpose

54 Mineral nitrines

Ethers, are all the volatile liquids formed by the action of alcohol.

There are two distinct classes - one consisting of 4 equiv. of prot. carb. hyd. ^{or 1 atom carb. hyd.} combined with 1 of ^{some} acid.

The second consist of one equiv. of sulph. ether (Carbon ether) with one equiv. of some acid.

Of the first class are the ^{most} common ether (sulph. eth.) which consists of 4 prot. carb. hyd. ^(or 1 atom carb. hyd.) & 1 water (i.e. B. water is an acid - it will combine with carb. bases in perfect ^{all the acids} formation - e.g. hydrochloric acid with sodium by throwing sub. into water).

The name sulph. ether has been changed on the carb. of Carb. into hydric or hyaratic ether. Besides there is a true sulphuric ether with one equiv. of sulph. acid.

- 2° Sulph. eth. is 4 prot. carb. hyd. 1 sulph. acid - called sweet oil of sulphur &c.
- 3° Hydrochloric eth. 4th Hyaratic ether

5th 1/2 doz are all ser. in composite
 & ser. in red. person. Probably here... #

We have first di-carbo-hyd. (light carb hyd.) next proto carb hyd. or simply carb. hyd. This may exist in five varieties - first an evidence one half proto-carb-hyd. (the second elem. gas, ^{evidence gas} dent carb hyd.) 2^d bi carb hyd. (the peroxide gas) 3^d tertio-carb-hyd. ^{evidence gas} & this exist in 4th either ^{equiv. of it} hexa-carb-hyd. (evid. 6 1/2) . Then a Mr. Dalton consider these can be ^{different compounds} also, as consisting of 151 252 353 &c. which it seems to be trifling with the subject

56 2nd class of ethers, consist of
1. of hyanc ether & 1 of acid
1st hyponitric, 2nd Carbonic (Carbonic
acid - which is an acid) acetic
citric, malic, butyric & formic e-
ther also oxalic ether?

V. B. The hyanc ether is producible
by four different acids viz Sulph., Phosphor-
ic, Arsenic, & Fluoboric.

Two other substances have been in propo-
sely called ethers - ^{one is} ~~one is~~ compounded with
4 of po. carb. hyd. & 1 of an essential
principle e.g. chloroform, is chloroform & bromine
& Prop. 2. chloric ether which
contains 2 of po. carb. hyd. & 1 chlorine

Hydric ether

57

Called *Ether hyaricus*, *hyaralices*, & *sulphuricus*,
nitriolicus, & *Ether rectificatus*, & *Pro-*
benic - & *Naptthe nitrioli*. Superior *nitri-*
nitriolicus (Tetrochi's hydrate of the proto-
 carburet of hydrogen!)

Boils in vac. at -20 . Vapor
 about twice as heavy as air - a little poured
 into a vial, it places, & drops the common
 air. Vapor readily ignited. - here
 can't be distinguished by candle light.
 Water absorbs 40

80 fl.
 One drachm of eth. dissolves 51 of pot. phos.
 But if it contains only a little alc. it will
 require 24 fl dr. - Hence pot. phos. & eth.
 ether is useless. In general it is a
 principal solvent

Equivalent number 37 viz. $28 + 9$
 $4 \times (6 + 1) + 9$ Until a few years, H
 Carpenter was considered as 2 olef. gas, & 1
 water equal alc.

Acids viz. arsenic, chromo-sulphuric,
 fluoric, phosphoric, & hypophosphoric acids will
 also produce ether as well as Sulphuric
 Alcoh. consists of 2 equivs. of olef.
 gas & 2 of water as 1 : 5 : 1 (or 4 p.c. h. & 2 w.)

58. Etherification consists in the abstraction of
one equivalent of water. And if you add
acid enough to abstract all the water, you
have oil & gas.

Thompson thinks sulphuric acid
is first formed & ~~abstracts~~ ~~of water~~ - & af-
terwards the prot. carb. hyd. goes from the acid
to the water by means of heat.

The best test of purity is spec.
Sulph. acid may be detected by
Baume's. Alk. will cause a milky solution
with phosphorus.

If kept still for a long time
it decomposes into acetic acid & al-
cohol.

Med. eff. - glow in stomach -
leads to the extremities. - languor & lass.
greeting of iron & rest - carried further
produces colder placid sensation & finally
exhaustion & delirium. After this
all its effects pass off without any ex-
ception. nothing more than
fatigue, if ^{great} exertion has been made.

No indirect debility (i.e. prostration, as from opium, &c.) follows, as is said by Dr. Ferrius. But Prof. T. thinks this nothing more than a gift to be expected.

Its action is so quick as to produce so quickly a difference in the operation as this. It is a pure nerve.

Upon the respiration it is in all respects similar to various oxides, but in this effects is duration. The effects cannot be designated. By successive inhalations, after each has passed off, the effects continue longer. Prof. T. has never known it lost in this way more than 6 hours.

Best inhaled from a vial or handkerchief.

It produces its effects more perfectly when inhaled than when taken into the stomach.

Prof. T. has repeatedly examined the pulses of persons under the influence of the substance, and also has again and again caused others to examine, but never could discover any increase of strength. He entertained a different opinion previously. (They have changed their

I have seen his first course of lectures in at Har-
 Prof. T. thought ether a stimulant - circum-
 stances led him to investigate its operation
 taken into the stomach. Another physi-
 cian, quoted who was equally surprised
 to find that no increase of the strength
 of pulse could be produced by it.
 Others admit this, but think that
 perhaps the stimulation is too transient
 to be perceptible! - or that ether stimulates
 the nervous system.

Ed & Var. say that ether has no ef-
 fect on the nervous system. Circulating sys-
 tem. These authors first turned the
 attention of Prof. T. to the subject.

Hence A. T. T. is entirely wrong in
 ascribing the action of ether to that of a stim-
 ulant. Ether resembles rather cocculus or other
 narcotic. Murray classed
 it among the narcotics. Hence since this
 time British writers have called it nar-
 cotic. But Prof. T. never could pro-
 duce this effect by pushing ether. It
 probably might be pushed so far as

to suspend the action of the brain
 & produce a sort of apoplexy - but this would
 not be ultimate success.

This is not anodyne ^{or sedative} except as it is an-
 itent. To offset its diaph. direct.
 or expect. It is not aphrodisiac
 except it be so by its nerve power
 Called anesthetic also

It is a common notion that it
 cannot be depended on for constant & perma-
 nent effect as a narcotic. But Prof. ...
 though he formerly thought so, has seen & heard
 good reason to change his opinion - especial-
 ly when combined with some more permanent
 action as wine

Dose 15 or 20 drops in sugar (2 :)

It is more dangerous in the way.

Let a 1/2 or more may often be required

Prof. T. has seen other who had been long
 of time & yet were known to longer effects
 produced by it. It has been supposed that
 it may bring on mania, in the ^{most} predisposed
 yet it can only bring on delirium & there is no
 evidence that del. will bring on mania

The delirium - acute disease does not bring

may destroy life by continued asphyctic effect on the brain.

Intoxication by alc. is a different effect from the exhilaration of nitrous oxide & ethereal vapors. The effect of ether is to exhibit the inability to regulate movement & to articulate & does not grow to excess.

Effects. Spasmodic & Hy-
stercic diathesis - For lethargic diathesis, it
leads to paralysis - Recumbent
in a comatose state, when painful.

When taken into the stomach, it irritates the mucous membrane, obviates corpora
increases susceptibility to other articles,
When introduced it acts as confined it in
the stomach. The phenomenon exhibited
after death seemed to show no narcotic ef-
fect, but an erythematous infl. by a acid
probably from its pungency or acrimony it
could produce very excessive quantities.

When externally applied, & suffused
in a vapor, produces cold, & desiccation
of the skin. But when confined it prod. a

2nd. of rect subiect. & perhaps even vesic.

It must. if hydric & hyarochloric
ether (in vac.) evaporates in the vacuum

hence this mixture might be applied to
hemorrhoids. Ether is useful to draw

up. also from the surface of a vein for
injection

Diseases Colonic chol.

Spasmodic chronic dyspepsia. It progresses
may be relieved by hyaline ether. Even if
an aged phys. who took it for years, just be
fore sitting down to a meal - He was, ultimately
cured by cod liver oil & iron.

Dyspepsia. Dr. Geo. quoted, who gave it
to correct vom. & to combine with the con-
tract. cinch. or an op. to induce sleep - especially
for the intercurrent.

L. syncopice, gastrodynia, Cardialgia
- valuable.

Spasmodic vom. is
especially from a debauch.

It is said that a fit of intoxication may be
almost entirely suspended by ether

Ether is a common resort in sea sickness
seems to be about the best remedy.

Cobain platensis is often con- sidered. *C. cibaria* produces in- desirable effects. *C. chlora vulgaris* is ad- mirant. *C. helictes* means -

a with ol. linc. highly extolled said to dissolve the gall stones

Bexacca & *humida* - some- times relieving - Prof. F. uses a great deal of the spirit. as a large

Bex alcyon mixed with *elis. purg.* *Bex afroaca* - relieves by irritation

Donalgia (*Adyngia* pect.) - palliates the parox.

Periodical fevers, fol- lowed when there is worms, ex- pector.

Opth. - qualifies the action of tra- chys - just as those qualify the

Dr. Ross never suffered a patient to die without trying *eth.* i. & doses, once or twice in the worst cases, apparently desperate. Supposed to be more especially adapted to cases of tubercles,

C. helictes *caumathides* - evaporated from the head - let a current of air pass from the feet to the head, carry off the vapour from the nostrils

Low malignant fevers

Calechol. of all sorts - and that of
in the east of Eur. by i. bel. & i. brully

Pyroca of phthisis - gives great re-
lief. Acute & subacute arthritis -

externally by evaporation, or to be an irri-
tant. but we should never use it so long as
the aff. is erratic

Dolores rheumatici (L.) Muscular pains

(illness) Arthrodynia Tumor Dolores in-
flammati (L.) Low atonic exa-

thermical Edrophath. atony or debility

(L.) doubtful if there is any such disease

Favore a splach. the nervous are in-
dicated - as they often are. Hallucina-

hypochondria. Syncope. Neuralgia

anxia - cures it if made to act it as a

vir. - sulph. eth. saturated with oil of

& canph. recommended by Boerh. as a

the best remedy.

Cephal. her. & nervous - cures so the

the most when motion is continued & if

given (each of 4pts an. or in equal parts

- dose a fl. 3 F or alone) early in the par-

oxysm, before it has fully set in

[illegible]

Sulphuric Ether

This should be the name, but it hardly bears it
Called Sweet oil of wine. Oleum ethereum,
Oleum vini &c.

Comes over after the formation of ether.
Via Dispersationis & Oleum vini

Best prepared by distilling a mixture
of equal vol. of sul. ac. & alc. & purifying
the product ^{by agitating it with carbonate of} potash
A yellowish, fragrant liquid

Consists of 4 parts carb. hyd. condensed
to 8. (Carbonic hyd. 1 vol.) — not obj. gas
a, Prof. T. says — $28 + 1 \text{ Sul. ac. } 40 = 68$

When kept a long time it changes into
sulphuric acid. by giving up 2 of
its proto carb. hyd. in a crystalline state

If agitated ^{with} water also, it changes into
sulphuric acid & gives up its 2 parts of
proto carb. hyd. in the shape of an oil

The article resembles hydric
ether considerably & hence is said to

only to possess the same general powers

Prof. T. knows of no accurate experiments
on it. It seems quite certain that it is a
verine probably it will turn out like

Hyd. eth. not to be stimulant
 It has been used - not alone - but in
 the off-nest and other liquors of some such
 preparations. Compound spirit of
 ether contains it

For dyspepsia with paroxysms
 of excessive secretion of air (Prof. S. has had
 opportunity to watch several such cases -
 the air was secreted ~~at~~ ^{by} an empty
 stomach & prevented by food
 aromatic spirit of Ether ^{Hydroc.} & ^{Ess.} of alc.
 and a pungent by spice, an old
 & fine preparation. Good remedy occur.
 to add this the Sulphuric ether

Hydrochloric Ether

Hydrochloric ether Naphtha Salis
 Well known before 1814 - Thénard
 Obtained - not by using dilute liquid
 - but by keeping a quan-
 tity of salt in a state of fusion -
 adding 20 parts of it into a retort or -
 or 10 parts alcohol
 but ^{gradually} add 10 parts sulph. acid - distil
 into a Woulfe's bottle containing
 alcohol. Agitate with sol. potasse
 The ether swims on the surface. This

is the best process - Others are followed 69
there is a gas colourless &
small & sweet taste Sp. gr.

2. 2 Becomes liquid at 52°

The liquid is colourless, very liquid & resembles the gas in its properties

It is more volatile than hydroic ether.

It best gives indication of hydrochloric acid - hence the acid is in a state of strict chemical combination

Comp. $4 p. c. h. = 28 + h. a. c. 37 - 65$

As this article is a gas, of course it must be united with something in order to be used in Medicine.

It is used combined with alc. & called - *Spir. salis dulcis* *Sp. vin.* *musiatricis* *Spiritus musiatricus ethereus*, *Aleat. Ether Alcoholum* - *Spiritus salis dulcificatus* &c.

Lindemann says its virtues are the same as the spirit of hydroic ether (Hoffman's, *musical anodyne*). It is undoubtedly *nerve* *said to be stimulant*.

Called *analeptic* (i.e. it relieves a fainting fit or a fit of sinking) - not only *analeptic* are *the* *nerve* & *stimulant*

78 Called diuretic also by some
Pharmacopoeias. Said to be use-
ful in Bilious fevers - but all fevers
are called bilious - especially in this coun-
try. Albany for instance the com-
mon fever is T. mitis yet all these
fevers are called bilious.

Dose mentioned is 30 to 60 drops,
probably one would probably be often nee-
ded

2nd Class of Ethers

1 eq. of hydric eth. & 1 of some acid
Hyponitrous ether

Ether nitrosus. Aq. the nitrosus &c.

Put into a retort eq. weights alc. & nitric
acid - connected with 5 successive
pans of brine. - Apply heat & the
ether goes over & is collected in the jars
A colorless liquor - lighter than water
boils in the hand

Comp. 1 hyd. eth. 374 1 hyponitric
26 = 63

Prof. T. thinks the formula given
in Phil. ph. 1831. from apt. nitrous eth.

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will produce genuine hyponitrous ether
- pure or impure.

The formula in the N. Y. Pharmacopoeia is an old and a bad one
most of the ether escapes in gas (R. mix
nit. ac. & alc. & distil) - & the product
is probably a solution of alc. nit. & acetic
acid, & nitrous acid & ether

The spirits ethereus nitrici, ac. sc.
found in our shops are probably
always formed according to this old for-
mula & consist of this mixture. There
are in fact however 3 kinds of mixed
spirits of nitre 1st genuine hyponitrous, eth.
2nd the mixture just stated & 3rd a chem-
ical mixture of nitric ac. & alc. - formed
by dropping nit. ac. into alc. containing how-
ever some hyponit. eth. & some water.

Paris describes ~~genuine~~ hyponitrous this
chem union of nit. ac. (prepared by distilling
alc. & nit. ac. a fragrant, sugar, acid-
like strikes a green col. with iron

Medicinal properties,
Lewy says "diuretic 20 to 120 grs."

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Whiting and ultimately destroys the taste
^{the chief thing}
 diaphoretic, deu retic, & antilitic, carmin-
 ative &c. &c. Faris & his students

similar account given by Senn's & his son

Quercus, that it promotes the natural ac-
 tion &c. in short the Faris account copy-
 ed Prof Cox's & H. others's descrip-
 tion. The latter however, calls it antispas-
 modic, & says it will relieve strangury,
 combined with Sandalum

Pearson, M. M. calls it refrigerant &
 deu retic. A. T. T. refrig. deu ret. antisp.
 relieves nausea & flatulences

Murray - refrigerant, deu retic, stimu-
 lant & relieves nausea & flatulences

Chapman says it is given in low small
 doses - 40z & a deu retic

Sc

Sc.

Sc

Dr Beigel - calls it too stimulating & hea-
 ting, to be given in fever

It is just from France, that mixed with
 malt or even a spirit it gives the character
 of French brandy

Here followed a the worthy Professor's
 close & an enumeration of the proper

has ascribed to it by its authrs - amounting to 20

1st a weak & inefficient medicine

2nd a moderate refrigerant - best dose 3 flz - 2 or 3 hours interval Prof. T. early in his practice employed it considerably in phlogistic diseases

3rd a moderate nervous - less active as a nerve than as a refrigerant - dose should be rather more than 1 flz (temper. p.e.)

4th a moderately diuretic - best dose half an ounce (table spoonful) 4 or even 8 times a day

Like other refrigerant it increases the heat of the atomic mass

It is stimulant - not tonic - not diuretic (Prof. T. has watched it for this) nor deobstruent (i.e. promoting all the nat. secretions)

Though Prof. T. & DuRoi recommend it in diseases of the liver

Therap. application

The dis. which Prof. T. has seen it useful in
Teething of infants, an irritative disease

It is pleasant for children's taste

Is also a gentle ptygalic Good dose is des -

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coke it - it is sometimes epidermic irritation,
(Typhus infantum - cholera fever - very
useful, combined with one of spec. & el paregor.
Tynoch, usually added to the water &
it is principally a narcotic

Cassaia vulgaris - also in the water

Secondary stages of all the ~~sub~~ sub putrid
& tynoch, phlogotica - also in the Cassia
bica phlogotica (Cassaia, with Cassia)

Use Thoric blanchet (Blanchet's powder)
very useful combined with opacba. &
mucilage of gum arabic

Sub putrid ex or then strain

Idiop. Syn gultus & Palpitation

Cellular Thoracic & Abdominal dropsy

But do not float it on a large quantity
of a decoction & suffer it to stand & evaporate
- give a tablespoonful, with each
draught.

Efficient in Peruvia in ops, as an auxiliary
State more so in Peruvia

Irritation strangury (N.B. when the bladder
is full give nothing that will increase the
quantity of urine already in the bladder

In inflammation ver. urines - irritating

h. opium or conium.

Epidrosis (profuse & cold sweating) - by increasing the urinary discharges

Ever this is not roseola - (rose rash) - an irritable, unimportant disease ^{well adapted} for it is

Ex orbia. Sicut. (burnt rash)

Both classes, together, are removed
The second class runs in general to be
refrigerant

Acetic Ether

* Naphtha aceticum

1 Hyd. eth. 37 + 1 acetic ac. 50 = 87

Distil. acetic. ac. sulph. ac. & alc.

" ac. potassa ¹⁶⁰² alc ⁶⁰² ^{con. & take 602} ^{dist. ac.}

distil off & then wash with lime water

Or use ac. plumbi

Peculiar taste odorous

Boiling pt 165° does not read blue

reg. col. - undergoes no change on heat

Dissolves in 7 parts of water Evaporates

Taste cooling, aromatic, &

slightly bitter. ^{Not Ph.} Nervine & anesthetic

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refrigerant & anæsthetic Ph. Bat.

Moderate nervous & refrigerant & perhaps
 anæsthetic Prop. I. Less nervous than
 the others of the first class.

Evacuant, & rebofacient & anæsthetic
 no Prop. I. calls it anæsthetic &
 warming when applied with friction.

Useful in various diseases of the nervous
 system & in catarrh & rheumatism Ph. Bat.

Two other articles have been called
 ethers, & are composed of a combination of
 proto carb. hyd. & of a superoxide of Cu b.

1st Chloric ether of all the books,
 except Mr. Williams's of prop. proto carb.
 hyd. 20 + 1 chlorine 56 = 64

2nd Chloric ether of Mr. S.

De chloro carburet of hydrogen composition
 of 2 equiv. of proto carb. hyd. = 14 + 1 chlorine
 56 = 56. Other names are given
 descriptive of their composition but not
 of the proportions.

These two ^{only} of the compounds of this class
 are called ethers - But others might be
 so called.

The acid is hot aromatic & bitterest
yellowish green colour.

It is not much known medicinally, viz
eral analogies of to ether others, - said to be
stimulant & prostatic

The second has been also called
hydrocarbonate of chlorine & hydrogen
chloride of carbon

Formed by uniting chlorine
with olef. gas. Vide G. & H. or
poured with. Sill. form.

Comp 10 of gas 14 + 1 Chlorine 36 -
1 vol. of each - condense in -

(Spec. grav. - to that of the two united)

Becomes solid (if pure) at 41° F.

- 1st chronic, large & less. (simple
gistic) 2nd relieves irrit. rect. co. (nearly)
- 3rd prostatic & vesical affections
- 4th exhibition of a
- 5th elevation of colour of the of the prostate
6th reduces the frequency of the urine
in a healthy person. The results have
been produced in the order named
in the pure article

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Take pure it irritate the mucous mem. of al. can. & thus increases the susceptibility to the impression of other remedies.

Prof. T. has also experimented with Mr. Guthrie's solution in 12 parts alcohol.

G. T. took $\frac{1}{2}$ p. in water in 12 hour pulse reduced 12 beats in a min. - another dose produced excitation which lasted 3 or 4 hours - sensation of coolness & gradual reduction of temp. - at night a evacuation.

Far from the pulse being stronger it was not increased in strength by the $\frac{1}{2}$ p. of the alc. - There was headache & some nausea caused by this quantity of alc.

Mr. Guthrie is mistaken in calling it too strong & too volatile to be used without dilution. Prof. T. takes it undiluted.

Mr. Guthrie puts into a clear ether shell 3 p. Chloride of lime (i.e. Chloride of calcium) to 2 gall. alc & distils

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Dichloride of carbon. - a crystalline
solid probably nervous
Proto chloride of carbon - colorless,
limpid liquid - nervous also
Pasqui chloride of carbon crystalline
solid also - probably nervous also

Protoxide of nitrogen

Prof. D. Davy was led to investigate it by
Dr. S. L. Mitchell's theory about it
being the power of putrefaction (Septic),
& also of contagion & infection.

If it could be condensed into a liquid
form it would probably serve as hygienic
~~or~~ ether in its med. prop.

Prof. T. tried it extensively in
low chronic diseases, before he had any
notion of its not being stimulant & could
produce none but a nervous effect. It was of no
service in keeping up the vital powers.

Bitumen Naphtha & Petroleum

Petroleum is thicker than naphtha
B. ~~per~~ fix resembles pitch. B. naphtha
is of the consistence of wax

The first three only are used in medicine

69

Sulphuric & nitric acids convert naphtha & petroleum into a resin; by yielding

N. B. Petroleum means "rock oil"
It drops from rocks, in some places.

They become oxidized by long exposure to the air - becoming dark or black.

They may be produced by distilling coal tar (B. p. +

Very volatile

Comp. 2 carb. 12 + 3 hyd. = 15

Prof. L. has tried these & found them
1st no. viii 2nd no. obstruct & irritant - not sudorific

Diapers Helmer this as car. Lumb.
& A. Tacniae. Arthritic rheumatism externally applied much used in India - more efficacious than castor oil. Thought valuable internally also in our Country.

Hysteria & Epilepsy externally (India) also internally with us in hyst.

Paralysis - externally in India - also with us internally - valuable

various cutaneous aff. instead of tar 1st Porrijo

crustacea (occasionally is cured
by it, 2 *Exornia porriga* var. milt;
naphtha (cured after being scolded,
thins; - we say always cure external
diseases, by preserving a trying different
article, 3 *Porriga formica*, cured)

Rum, 3 scales - nothing is better - it
is mild and soothing

Olum Succini Electi

Oil of amber

Amber is found most abundantly on
the low lying shores of the Baltic. Appears to
be a mineralized resin. Perhaps that of de-
cayed wood. Probably Copal is the same
substance (produced however from the same
tree, probably) it produces a good oil of
amber & succinic acid, a amber

Oil of amber is obtained by distilla-
tion. Residue yellowish, aromatic, odor-
ant.

Calliaxilis periodic, in general

Prof. T. never could make it produce
increased heat, or stimulation. He has
given it 2^d service & decidedly de-

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obstruction - maybe expectorant, diuretic & probably emmenagogue

(Dose 10 to 15 drops, varying according to Prof. T. has found these doses to be smaller in general)

Dissolve 1st Arthritis rheumatoid (called chronic rheum. but may be chronic, subacute or acute) - give 20 drops every 3 hours. Apply it externally enjoin with spirit of ammonia or some such article with friction at first - then put it in a cloth - cover this with another & the pass over it a hot flat iron.

Arthritis blenorrhoica (Clap) & probably gleet etc. Prof. T. gives it in conjunction with bals c.p. & gives it as much as the stomach will bear - not suffering it ^{if there is some tendency that way, add camellia} to purge.

Ontaria latans, recommended by Rush. (a great use of op. & turp. thought highly useful in latans)

Glysteria much used. Neuralgia - local or fully applied mixed with Pulvis internally, & locally as in Rheum & Paronychia obstructions.

Par

Resin succini oxydatum
 Called moschus, ~~placatus~~ facilius - a li-
 ficine resin.

R. ol. amb. $\mathfrak{z}\mathfrak{j}$ nit. ac. $\mathfrak{f}\mathfrak{z}$ $\mathfrak{iii}\mathfrak{ss}$
 in a glass vessel
 and the acid drop by drop stir with
 a glass rod - let it stand 24 hours -
 separate the resin wash till it is taste-
 less ^{with gold & the with pure water #} vide U. S. phar.

Prof. T. has had the mixture taken out
 spontaneously while standing)

Keep it in a wide mouthed glass stoppered
 vessel, so that when it hardens you can get it out with a spatula

Dose $\mathfrak{z}\mathfrak{ss}$ to $\mathfrak{z}\mathfrak{j}$ 10 to 20 drops

Properties similar to resins of myrror
 & of *Hamamelis* he,
 Elix (yellow resin of N. Holl.)

May be given in substance but re-
 quires something else to give it consistency for
 pills.

Tinct $\mathfrak{z}\mathfrak{ij}$ to 1 pt of very strong
 alc. (Ph. Batava) Prof. T. thinks 1 pt. will
 dissolve $\mathfrak{z}\mathfrak{iv}$

This article is supposed to be
 merely oxydized ol. amb. But it differs
 from the resin as he

Is used - diarrhoea

Cold water hardens, but warm water melts it.)

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(Good species of diarrhoea are more varieties
as they run into each other. A. B. D. tubularis
is a membraniferous teritis & D. capsulata
is a symptom of dyspepsia) - close for
diarrhoea 1 t. sp. ^{off the chair} 4 times in 24 h. useful
as an auxiliary only in severe cases - use-
ful auxiliary to opium. Rex. Convulsion
(hooping cough) - much employed often
very useful - sometimes not so - when we
cannot tell. Dr. E. Reed considers it of high
value in this disease - conjoined with elix.
pareg. Seems to be as good as mustard.
Dyspnoea exacerbans (A. B. the disease so
called here is dyspnoea chronica - & dysp-
noea. this is called asthma) - Reed -
recommended by Dr. Reed - as he does also its
use in Hysteria & Convulsion - Rec-
ommended in Epilepsy

Pyracetic spirit & Pyra-
cetic ether are nervous probably.

A. B. Probably most physicians apply
it to nervous to any thing that acts
on nervous irritability

Narcotics

85

Torpidity of Darius : Tidalia (But Sedative i. s. refig. & also brachy. sedative)

1st directly allay morbid irritab. & irr. sc. & corresponds with the first degree of a nervous op. & often of a stimulant.

2nd relieve pain which the nervous

3rd produce sleep

4th vertigo headache faintness

affection of sight nausea vom.

Cold ex. extrem. Cold sweat. Convulsions

(common epileptic or tetanic), delir. stupor & ^{coma} death

1st antirritant & 2nd anodyne

3rd soporific. 4th allu. at. narcosis

After all given v. may exhibit. If 1st a larger
it 2nd also & a larger it 3rd & 4th

Generally to obtain one of the latter operation
you must first have the previous ones

Under certain circumstances, aches
erethism of the brain & nerves, that is
increased energy of intellectual functions
and of motion. N.B. Erethism is a mor-
bid degree of activity energy & hyperfunction
of the functions of a part. ^{of the intellectual} ~~of the~~ ^{of the} ~~of the~~
~~erethism~~ occurs in the first stage

of Del. trem. Intellectual exother-
occurs often in typhus - throughout the
whole disease. & the more may be said ^{thus} of epidemic.

Now it has been argued a thousand
times with regard to cholera that
as there is a lesion of the nervous function
& diminution of nervous energy - But narcot-
ics are the very articles to obviate this.

The nervous & stimulant narcotics
contribute most to obviate this nervous
lesion. But all of them may be made to some

Hyoscyamus & opium produce com-
mon convulsions. Camphor not
very sed. tany - epileptic convulsions.

Scilla produces tetanic conv.
Opium & hyoscyam. convulse the voluntary muscles,
Sclerotein. Clove, & actaea convulse the
involuntary muscles first.

Camphor & ol. tany convulse by it the
volunt. & invol.
muscles.

as the sedulament narc.

Some produce convulsions as a pri-
mary part of their narcotic operation
e.g. ergot & actaea. Probably all the
ecbolic act in this way only and are
narcotics which produce common convulsions
in the invol. muscles, as a primary part of their operation.

Many of Prof. S.'s medical friends have
employed large doses of opium in collapse of
cholera. Other uses besides, opium

will relieve the coma &c. after fevers.

Opium is the best because it is also narcotic &
stimulant. The most powerful narcotics
will also produce the effect e.g. nux
vomica in ^{case of} paralytic limb which obviates
the reason of function of the nerve.

Scalpa & Lobelia Digitalis, Conium &c have
this effect ~~Scalpa~~ being the weakest.

Narcotics likewise produce
an effect on the blood vessels, when pushed so
far as to disturb the functions of the brain & spinal cord.

The process of the semicircular ganglion
&c. produced by narcotics may be relieved by
quick respiration (as with the best mind) unless the
paralysis is too great, when life may be des-
troyed.

Ullin at narcosis is of no secondary
utility. It should be counteracted by ex-
citants, ~~narcotics~~ ^{narcotics} & stimulants. This may be
done without diminishing the secondary effect.
Alcohol is a counteragent of narcosis. A. B.

It will not counteract the nervous & the
stimulant operation. But its own nervous
and stimulant operation will counteract
the ultimate narcosis of a narcotic.

V. B. also - the narcotic effect of one
narcotic ~~effect~~ will not counteract that
of another - but the article so, managed
as to be nervous will counteract the ul-
timate narcosis of another narcotic.

Four sorts of congestion.

1st simple superficial congestion -
caused by increased action of the heart
- always a tonic.

2nd simple visceral
caused by weak action of the heart - always
a tonic.

3rd paralytic congestion -
caused by weakness of the capillaries - the
heart remains in a strong - always a tonic
requiring, the vessels to be invigorated.

4th inflammatory - caused by
trauma & fl. of the part - either a tonic
alone or irritative - requiring re-
sults, stimulants, narcotics, or deobstruents.

Narcotics by obviating lesion of nervous function will relieve general visceral congestion.

Secondly by being pushed too far will increase visceral cong. by exciting the brain and nerves, & consequently the blood vessels. but they should never be pushed so far.

As to articles we apply to narcosis in relieving general visceral congestion especially if they are titanic nervous & stimulant.

Deobstruent narcotics relieve congestion in the simple but they relieve many inflammatory congestions by this deobstruent narcotics.

Evacuative narcotics act ⁱⁿ the simple. The evacuation ^{is} at least of a part of the congestion.

Simple superficial congestion will not require narcotics they will be brought nought.

Nervine, produce sleep or by obviating irritation the narcotics appear to have this effect by a direct effect on the brain.

90 The mistake of Murray & of John
Brown was caused by the latter's ~~taking~~
forming all his conclusions of narcotics
from alcohol, wine and opium.

Ideative and character effects have nothing to do with one another, hence they do not stand in the relation of cause and effect, as J. Brown supposed. They are not at all inconsistent or incompatible.

Perhaps, there is no article in which
the narcotic, stim. & nerv. operation
result from distinct proximate principles

Some have supposed that all
narcotics are deobstruent i. e. have the
an efficacy in resolving inflammations.

probably they do this merely by their antiseptic power & act only on the irritative inflammation.

... as a
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labeled with name, & date, &

the name of the person who has been

There are also dropped during the winter
yet they are all from one tree, & possess
the same properties. They are not therefore
labeled by person, or date (It is, of course
so that winter and summer - but
the properties are not to be questioned, but
open.)

Although all the branches grow in
sleep yet but 5 or 6 of them can be used
when the used in the process

Single full does, after the
good a small of production, with large
weight, etc. which passes up in 12 or 14.

This is, good and more conspicuous, by
open. However called it is direct & full
in degree of plantation - but it has no
work, absolute - it is like you were
by the tree in a part of the life. & 17.

Other cases of indirect debility, can be
the same direct debility.

The label is used, in the
in the process generally by the person &
for the great general susceptibility (be

and the author's ability to the public for
 article for to get a part of the work of the
 editorial committee. Prof. T. has, for a
 long time, been found to be the case, and
 but for his ability, the European journal
 could not be so well known. Prof. T. has
 could discover that a person's work is
 hard in a great degree, but he is all
 of a kind. Confession of an opinion is
 quoted. Prof. T. has just read a letter
 from a considerable number of people, and
 of the letter, quoted in England.

All the reports of the effect of the
 work are to be Prof. T. to find out
 that except nervous tension, ^{especially}
 is a slight, slightly.

Prof. T. has, continued to work
 more than two years with a great
 effect.

Several observations, apparently
 be caused by alcohol and nervousness.

He is very often in a state of
 and by the nervous system, but it is
 etc. & slightly by the nervous system,
 as he is a laborer. Probably the

the effect of a moderate quantity of
coffee for the purpose of inducing a slight
excitement (this is usually given & the effect
is decided)

Groups

1. *biarticulata simplicia* - hypercyanotic
et. chlor. - Gibson int. Hela erythr.
Sargassum with 5 bar. *Satura* later. 2 bar.
noted

Types. *Strope* - *Muc. angustata* ven. alar
probably also eryth.

Gollum *laevigata* - *S. garici* (several)
see probably

The simple narcotics are solely sedative
in effect & include all the stages except the last;
they are employed when the nerve is over-
excited & apparently active. Used, however,
carefully in acute diseases. Though to be
employed with stimulants, they may be used
in acute disease. They are never cal-
culated to remove the headache & the oppres-
sive distress, but it requires depletion.
Require no adjunct except

I have in former literature cases
upon the same principle, viz that of

14

Parathion citarben

Generally, more in alao

Black Wine (pure) is black & diaphanous
also of chologoge. But it is not pure.

Several species of *Sacchar* e.g. *S. salina* & others
indigenous, spec. in the U.S. (later), *S. elongata*

1. *Agrostis sanguinea* one to
4 on each one all the ends one all

vic) Camphor (from Sanson, Carphor
& D. yobalono, Carphor) Myristica & white

(Con. over meeting) very analogous, to Con. p. 100
to B. The expressed rep. for the meeting is not

of the Sack can is scarcely enough at all

These narcotics are the most impor-
tant of the narcotics. For this strain is it
under but affects merely we must give the
full dose, repeated. For the ~~full~~ pro-
duction of sleep & relief of pain larger doses
are required. ~~For only these~~

Even only then which were only
used occasionally. Belle understood the
better than any one before her. The location
of his name is still ~~that~~ the best in
appearance. It is a valuable article.

at present that they are more plethoric
and still more diseased.

They are indispensable in the disease to create
susceptibility to other articles, and to sustain
the patient.

There are two modes of giving them.
1st in small doses, repeated 2nd in single
full doses, once or twice in the 24 hours.

The first is the only mode proper for severe
disease. The doses are a grain of opiate
very with circumstan. The second is
that of the Tropical writers, respect-
calomel, nuxia powder, nuxia medicinal
and some more. Two grains are
how may be needed.

In the genus, typhus they are needed to
relieve the restlessness, heat, pain &c.
In typhus there is, also, more or less loss
of the brain and nervous system. But
I never saw a case of typhus where, in
or all its stage, these articles were not
indicated. Great pain and closeness
of observation are needed in order to arrive
there successfully. The state of the patient,
and frequently his conduct or assist it.

operation of the articles
 Case of a young man who by mistake took
 for dinner, both an ounce of 15 grs of opium
 - he was very intensely engaged in business
 immediately after and suffered no incon-
 venience

The only really toxic blood & syphilis
 - even large doses of opium, the highly
 indicated is for purgation of the bladder (relieved
 by trict. can th.) sometimes itching of the
 skin

In chronic cases, the medicinal dose
 of the old phya. goes better (even if the gra-
 tity is the same) than night & morning - viz
 early in the morning 11 o'clock evening
 dose is - 2 or 3 times a day is bet-
 ter if the quantity is the same

By then has understood opium - and
 did do better - 10 or 12 times a day

Opium is the most important of all
 medicinal agents. Dropping is the most
 safe & most abused - bleeding of the rectum
 is not next. Prof. T. has never injured
 a patient by its use, but sometimes it is
 - though he has taken the same with

regard to cathartics, but still a
 error in ~~name~~ then cannot be rectified

The great error in the use of purgatives
 is giving too large doses, & at too long
 intervals.

After purging & bleeding, antimony
 & mercury are often administered.

3^d *Viscotics* described in

Generally they are also called

Conium *Atropa* *Lobelia* *Digitalis*

Scrophularia *ner var. etc.* *Lutea* *ignatia*
pd *var. angustata*

Geranium *capium* (Fowl, probably) *Geranium*
var. etc. *G. bulbifera*

Phellandrium *aquaticum* *Chenopodium*
neg. etc. *var. Antifolia* (probably
 the weakest)

Urtica *phlegmatica* *var. etc.*
var. etc. *var. etc.*

4th *Viscotics* described in

Generally they are used for their op

Scrophularia *lobelia* *var. etc.* *var. etc.*

var. etc. *var. etc.*

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Cocculus ^{the berries of a} ~~barbous~~ ^{various}
erect or arborescent shrub?

Hydrocyanic acid

Discovered by Scheele 1780 Gay-Lussac
first discovered in fruit &

First used by Dr. Chevreul in Salem
Mass. First published account in

Magazine, 1816. But more lately used
for supplying it the active principle of
almond water

Colorless transparent liquid
odor suffocating - taste cool pungent
and bitter sp. gr. 651 - strongly den-
sity to evaporate. Easily reduced to litmus

Combines with ^{ammonia or alkali} ~~alkali~~ - does not com-
bine with oxides cyanides, forms
Decomposed at a high temperature &
by the action of light - also spontaneously

Best of obtained by treating deu-
cyanide of mercury with nitric acid
Composed of equal parts of cyanogen
hydrogen.

... bark leaves & petals of the ...
 of Prunus especially, and also in
 other rosaceae. There is an essential
 oil in many of the rosaceae which is prob-
 ably characteristic of the ...
 ... the acid. There may be the
 same article a little modified. It is pro-
 bably not proper to consider hydroc. as
 an acid.

Cyngon is said to be an irritant
 agent and one of those which relax
 their activity in combination.

Hydroc. ac. acts as a narcotic
 ... the appetite. One of its effects, it is not
 therefore necessarily stimulant (to the ...)
 ... the article which has been ...
 ... the ... Bromine ... the ...
 ... that narcotics are ... to ...

It has been known to produce ...
 ... the ...

... the full dose does not produce
 the ... headache ...

of the stimulus to a certain amount of
it,

It is applied but as a general
or a more or less, remedy, and
certain cases will require to be
and other articles. By continuing
it the same but a small, so as to
it will be necessary may be prevented
and thus a sufficient quantity given,
this is the case in the above cases.
Experiments have not been made
to test it in pleuritic diathesis.

It is used, with the strength
Bayer with a small dose, in
fresh paralytic. In the case of the
same.

It is very volatile and yet it is not so
over. Applied to the skin it does not af-
fect the system, and it is applied to a
healthy surface. Prof. S. thinks it is
absolutely proved that the surface of a
skin does not absorb at all - but it is a
healthy surface, it absorbs. The marrow, sys-
tem of a small surface, better calculated

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all official ulcers are often cured
by the comb. narcotics
Cold water to the head soon breaks up
the ulcers (I saw a man drink
down a quart of spirit with his hands
not wet and a war with his
nerves extraneous ^{cold} water gets down to
inner - e.g. sheep washing)

Diseases

Dyspepsia always irritable, pain
in the stomach. Dr. Elliotson of St. Thos. is
Cotina stomachia by Dr. Prout relief in-
stantaneous. Helminthia by Broussais
probably good - like Spargelia but not
convenient or safe especially for children
- e.g. with most effects of this article are
such as children cannot specify open
- genuine can keep an eye on children

// Supposed to be more especially useful
for diseases of the liver Dr. Elliotson

from it gives great relief in cough

1st Bx simplex - is restricted & checked
ed in it - the tendency to be a disin-
vited. 2nd Bx dyspeptica (not described)
always accompanied with some function

al derangement of the digestive organs
 accompanied with some dyspepsia affect
 numerous, & perhaps all. Some consider
 a dyspepsia - others, as a primary
 disease - great diversity of opinion.

3^d B. Convolvulus (hooking cough)
 - even families are habitually subject to this
 peculiar kind of cough. A. B. There are
 two stages to this ~~kind~~ complaint - the first
 continuing about a fortnight and being
 a catarrhal stage - the second exhibits
 the peculiar cough Prof. S. thinks the
 second stage not a part of the disease but
 a sequel of the complaint - and that the
 disease never be communicated by this sec-
 ond stage or sequel. He has never known
 it spread from the second stage. It is pro-
 posed that neither the hy. a. c. c. nor any
 other remedy is useful in the first stage
 Hydrac. cc is occasionally successful in
 cutting short - or it acts as a palliative in the sec-
 ond stage.

|| Dyspepsia excoerens - palliates very much
 - probably if we could venture do to do
 we might cut a peroxysm short by a single

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full dose. But we must always begin gradually, say with 2 drops & increase up to 16 or 15

Chambrous pills; (topical aff. confined to the ^{bronchial} membrane) dried by 16. French - but Prof. T. has seen at least a dozen p. m. examinations, - useful as a palliative -

opium is generally needed - if proper expectoration ac. lead - quinine &c.

Stomachic or tubercular phthisis very useful - said to have cured (Ely's case)

Prof. T. thinks it cannot be relied on alone

But the case very very much - sometimes (as was the case with Sarracenia d.) small

tubercles appear over the whole lungs & finally obstruct the lungs with or without

any indication of phthisis - again there may be cases of one or two tubercles

in a lung - I have known 30 years and ultimately prove fatal. The former

Cases are incurable - the latter ought to

be cured - by opium, narcotics, acids, stimulants, lozenges, &c. If you can check

the excretion you may expect to cure - but if not the patient will die sooner or later

Pneumonia, said to be cured - but not
said what kind of pneumonia - for we
have a number of very different pneumonias.

Undoubtedly useful in atonic irritative pneu-
monias. *Opium* *china* which
Prof. T. does not believe to exist, cases, so called
have sometimes been ulcerations of al. Canal.
with sanguine discharge

Hydrothorax (a disease of the pleu-
ra, like drops - always chronic unless
it affects the bronchiae) Prof. Ward says
has utterly failed. *Pleuritis* acute

Carcinus vulgaris -
said to be very useful - said to relieve the
pain by washing the cancer with it ^{much} diluted
- becaution, in its use

Irritated & painful ulcers, particularly
the irritable promotes healing.

Del. trem. & *Peripneumonia* (which
seem to be varieties of the same disease,

said to be very useful - probably a val-
uable adjuvant. *Opium* is nearly a specif-
ic - but some cases are incurable. There
are cases, which require to do so as an
adjuvant - some require stimulants, others
caloric &c.

Clonus palpitatio palpitation of the heart & great blood vessels very oft curies. Hysterica said to relieve a fit also used at the oblique the diaphragm, not safe enough for the fit

Paranomia difficilis (or connecta with a traumatic infl.) said to cure skin

Sanctus, coryza (super) in the face curies at lotions. *Scipitigo* said to be cured with lotions

Cerasus Saur-Cerasus

Pruus, laurocerasus (Linn.) cherry laurel or cherry laur. Nat. ord rosaceae - to the *Mygdaleae*. Habitat. Levant.

Works leaves, flowers & berries have a bitterish, fragrant smell & taste - owing to a supposed essential oil - considered as an. to be identical with the ess. oil of bitter almonds - which again is said to contain ~~ess~~ amygdaline (a new principle)

It is said to be very poisonous & to produce symptoms of intoxication. The whole subject is obscure for the cherry laurel yields but a trifling quantity of Hyd. c. acid. This causes death just like it.

This oil produced similar effects to wood
 spirit & certainly than hydro. ac.

Preparation is obtained by adding 6 fl. oz.
 of distilled water to 1 lb of recently gathered
 leaves, cut fine ^{and} ~~draw~~ off 3/4 only - Now 4 l
 6 cups. Distilled water is apparently, less
 variable in strength than hydro. ac.

Many cases of poisoning have occurred
 from its use in Confectionary & liquors
 it is a most intense poison

The oil is made by digesting a few
 of leaves for 24 hours Dist. to it.
 fill a bottle with it ^{cut} leaves - & fill with
 proof spirit. about 16 minims

The bark of gum, has been success-
 fully used in curing ulcers & rheumatism
 (Gallia cativata) is used in Italy for the same
 as a cat for a pained eye, & as a...

Pennis, bad, (cluster Cherry) has still
 more of this peculiar taste & smell

Pennis virginiana deserves investigation. It
 probably would be a complete substitute. It
 has less taste & smell

Gelsemium, nigrum

G. nigrum, (Elliott) Carolina is yellow
 flowers in lat. rd. Apocynaceae
 Virginia to Florida. Cultivated as an ornamen-
 tal plant, in the Northern states. But one
 species of the genus. Prof.

Prof. Tully's article on
 first brings to this article by Elliott sketch
 It also, irritates of a very kind
 disposition to grow sleep
 vertigo epigastric uneasiness in prospect of
 in coldness of the body of the body
 circulation, & death. Not stimulant at
 all. It can procure any nervous
 prostration, never obviates, larger or smaller
 or produces wakefulness or exhilaration.

It is a powerful narcotic and is given
 to produce hyposc. ac. very insistent
 in sleep, it easily kept and given its
 character.

Tinct. R. Give dried & cut
 2nd root offic. alc. 1 pt. Medium
 dose 10 to 20 m. from adults repeated
 in 2 to 6 hours. Begin with a
 small dose and stop at the symptoms
 of nervousness appear.

It may be that proof spirit is a mix-
 ture will prove a good substitute. But
 the alcoholic tinct. is more convenient
 and more of a proof spirit tinct. is better in
 some cases.

Prof. T. thinks it of use to
 enjoin upon a union of antispasmodics, be-
 ing often adjuvants just as is a union
 of tonics. Besides this, the opium by
 counteracting the ultimate narcotics, enables
 the patient to take more of the article - at
 the same time that it cures the disease
 the medicinal power. Hence the
 great usefulness of narcotics.
 Like other narcotics this article should be
 enjoined with stimulants, in the case of
 der.

The only deleterious effects are
 excessive narcosis. I suspect that
 any of the articles or mixtures to act
 give an anæsthetic. Spasmodic gives anæ-
 sthetic, spirit of camphor, exposure
 & all are all excellent. Apply friction with
 spirit of camphor per acetum or exposure to
 just enough to create rubefaction.
 Keep the body warm and fresh. Cold cloth.

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applied to the head
 sometimes contributes both the relief but
 will not cure alone.

Prof. T. has employed it in the following diseases
 1. Dyspepsia. 2. Hooping cough
 3. Dyspepsia exacerbatum - as this is easier than
 gastric acid - prof. T. would not hesitate
 to give a teaspoonful in an urgent case - it
 would be better also to conjoin opium
 4. Hysteria of various sorts. 5. Irritative ob-
 struction. 6. Subacute chronic rheumatism, also
 & cases intermediate between hysteria, cata-
 lepsy and epilepsy, had it - paroxysms
 kept off by this article.

The following is also a sample of the
 narcotic, but yet differs from the preceding
 Prof. T. thinks he can distinguish the effects of the two
Nelumbo erythrospermus as
Nelanthium lactum so. so. (gly. priss.)
 nat. ord. Melastomaceae. All the middle
 section states. Root a bulb enclosed in
 a great number of husks - yet these very
 husks are active.

This root has long been known as an
 active narcotic.

About 2 hours after taking a small
free dose. first cough - at the above and
the right affected is especially, if the
head, moved - alternately, the drum
noise upon moving the head or rotating
coldness of the face 40°. Symptoms
reach their height in 4 or 5 hours - dis-
appear in 6 or 8 without leaving any con-
sciousness & sequelae. Such were the effects
of the ^{hypnotic} ~~hypnotic~~ dose Prof. J. B. administered
these as a fly paper over the whole
and not below.

Local relations of its effects upon a young physician
and with the South - similar to the preceding
but of its narcotic effect the admin-
istration for culture (alluded to with rheumatic
pains) by one of Prof. J. B. friends.

Alcoholic tinct. 4 oz to 1 pt.

Time (commencing) 10 - (terminating) 20 to 30 minutes,
may be combined, advantageously, with opium
stimulants as a tonic.

Various Coughs. Typical cough that
is cough. Catarrhal & other phthisis
Rheumatism. It has been tried in these
by Prof. J. B. friends.

Spigelia Marilandica

Thorn grass Indian pink Carolina pink
 (Nat. Ord. Gentianaceae). Pennsylvania to
 Carolina. Penn. & Schultes in 1819
 knew but 4 species. Sprangell, June 11
 1st *Maritima* & *umbellata*, *S. pauciflora*,
S. speciosa & *Marilandica* & *seabra*.
 The plant is known to Allen in South America
 and used in those native countries
 as anthelmintics.

No analysis has been made

and to accelerate the process - that the face
 Cause headache, ^{keep covered the dulled it by} the hor. spots of the
 under the eyes and face, ^{the eyes} the skin
 the face is over compression.

It was many years before Prof. D. was aware
 that this article possessed these properties. His
 specimens from the shops were worthless.

The symptoms, when moderate are a test on its
 power operation. Catharsis, called by
 some a test. Prof. F. has to be known it
 more is heard of its danger. In reaching
 which it produced, it is a part of its narcotic
 operation.

It was long before it was known
 that this article is narcotic. It is

given in small doses as a vermifuge

The previous, frequently, were ascribed to a small
viper, a species of *Asper*, or the *ph. asper*

Prof. Probably possessed, in Bellesm,
relation to be equally as chelonic, though
less common. It seems to resemble
Stenomacrus most in its position.

It is doubtful whether we have
any cases of unequivocal poison by this
article. Prof. T. has known one doubtful
one. Chalmers relates two cases.

It seems to be universally agreed that poisoning
relieves, best the narcotic effect. Prof. T.
has had no experience to the contrary. All
of his cases have been relieved by revivings &
stimulants. Infusions of *Scrophularia* relieve
the narcosis & it must do so by its stimulant
properties (which it possesses, considerably, &
which especially,) Prof. T. has relieved his
cases of narcosis from this article with milk
of magnesia, and others with oil of
olive.

Prof. T. has repeatedly been a chel.
after exposure to the poison. It is a chel.
History 1754 a letter from Wm. Gunning
of N. H. in the Ed. Let. essays. 1764 Dr
Gardner, published a letter which is the
date of all the accounts of it in the

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books do say, ^{the use of} it was discovered about
40 years ago by the Indians & used
afterwards by others as a purgative &c.
Prof. T. does not believe it to have
been discovered by the Indians, for it is
well known as an article
in this country 50 years before. Besides
it is a well established fact that at the
first discovery of this country not a single
article was used internally ^{by the Indians} as a remedy.
They ~~use~~ took the root of Iris versicolor
as a perfume. They administered decoctions
of it to their young warriors to try their
ardor. Some articles they used to
make life

Prof. T. is clear, that
the use of the coarsely powdered root is per-
fectly correct. Let the decoction
be at a source of the root to 1 1/2 pints
boiled away to 1 pint

Prof. T. has never been able to learn
of its purgative operation. He has enquired of
S. Carolina physicians.

Prof. T. thinks it considerably
so effective when combined with some
other cathartic - than when followed

by a cath. 12. Continue the article 12
to 24 hours & keep up a slight anæsthesia - & then
give your cathartic. Prof. S. would pre-
fer four 4 to 8 days with 24 hours the
has found that the narcotic operation
passes at 3 or 4 hours

It is somewhat questionable whether
the top possesses any power. Prof. S. al-
ways cuts it off and throws it away

Our article is collected at the wrong time with
year vs. when the top is in full bloom.

It should be collected when the top is in bloom

It is the universally opinion at the time

It does not keep well longer than 6 months

Phos. ac. prep. 1st powder of 100

10 to 20 gr. every 3 or 4 hours

2nd infusion 3 decoction the latter is

most frequently used 4 oz. to 1 pt. probably

an ounce to 1 pint would be better let the

infusion stand in bar

|| Dose 1 to 4 oz. every 3 or 4 hours (for an ad. etc)

Syrup of the decoction is kept in

the shop dose 1 to 4 drs. made by

adding 1 oz. to 1 pt. boiled to 3/4 oz. and

an equal weight of white sugar - making

4 oz. of the syrup It can be given in tea

or culture

It is the *plac* that *Lepra* *terre* added
 that enables more of it to be taken

(*H. ussary*) *Typhus* in *fa* *terre* — to
 increase availability *co*.

Helminthis ^{us} *Lepra* *terre* *co*ides. Not known
 to be useful in *H. terre* & *co*. very *co*loris
 happens to *stagnate* not *kill* the *worms*
 The *plac* should be kept under the *opera*-
 tion of it 24 or 36 hours, of *best* —
 and a *cure* be given at the *con* *re*-
 sult of the *best* 12 hours. The *natural*
salt & *serum* are not the *best* *co*th.
Colored is the *best*. *Rh* *work* & *clay*
best *best*.

Figelia anthelmia
 Not of *L. A.* & *M. C.*

Said to be more *specific* than *opium* (this
 is doubtful). *Infallible* almost as *an*
anthelmia *tic* (*Brown*). Used as an *anti* *co*-
lar in *Typhus* in *fa* *terre*
 stronger than *the* *Marila* *dic* *co*.

The first account of it was in the *Gen*
mag 1751. It has been *re* *re* *re* *re* *re*
 attributed to the *re* *re* *re* *re* *re*!

Cerochium lanatum

American mulleinroot (Mulleinroot is the
 the peraloria (cotton-wool). Good preservative
 First described by Michaux - but not
 Umbelliferae. Canada to Florida

Root especially the seeds have an acid
 pungent & resinous taste & are used. Water does
 not extract the acid prop. etc. uses.

Seeds gathered before they become brown.

An intense narcotic (the seeds) - good
 cough medicine, relching cool skin, in-
 volar putrid suppuration, &c. in large
 quantities, too large ever to be likely to
 be given). Prof. J. has known two instan-
 ces of strong narcosis, produced in a dyspep-
 tic patient, with diarrhoea &c.

Prof. J. has never seen any evidence of it
 having stimulant properties.

Commonly said to be emetic
 but Prof. J. has never been able to procure
 any true emetic operation from it hence this
 term must apply to it, indirectly & &c.

Recent bruised leaves, are said to be
 infusoriafacient Prof. J. has never tried
 them. It so, they are not necessarily stimulant

120 Foramen effect - will be achieved
of course by diffusible stimulant, acids
and nerves. In an approved the
desperate case all the symptoms disap-
peared under the use of ss. ppt. alcohol
& opium.

This article has been in use since
in memorial in this country. The dry ripe
seeds were used as corroborative, to relieve
flatulence & the narcotic powers were
not suspected. Bigelow first thought of
a conjunct to that effect. In the dys-
peptic case above alluded to. Prof. B.
directed a strong infusion to be used ad
libitum. He was in a few days delivered
to the man who was apparently a hopeless
case of nervous cold chlorosis & anorexia.
He was cured by op. ppt. & alc. which
produced very sudden & speedy relief.
All the while the kerachia was not sus-
pected. He was much better often and
as regarded his dyspepsia. A second
similar attack followed with similar
results. He was better after it. A third
followed!! Then it was found that

he had regularly taken the article in
excessive quantities just before each attack!
The preparation he took was a strong in-
fusion.

Probably an alcoholic tincture
could not be taken in such a
great quantity of this to produce the
effect.

Perhaps we might get a
concentrated preparation by forming
a syrup of a decoction.

The article needs to be investigated &
good subject for an original disserta-
tion.

The powdered root & seeds, & the
infus. of the leaves, so far as we used - the
proportion, & doses, are mentioned. The leaves
are added to the others, "to render the
Carmine active."

Diseases. Dyspepsia - very valuable
for flatulences & also for a relaxation of
bowels. Epilepsy is said to be pal-
liated by some but others to radically
cured by it.

Dr. Wm. of Mass. published a
dissertation on it (in trans. of Med. Soc.)
& called it by mistake H. Spargyllia. Ma 1803

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diarrhoea & the seed which are agreed
to be the strongest part. A little is said
about it by Thatcher & Bigelow.

A. B. The most useful narcotics ~~with~~
in Epilepsy are the simple & pure narcotics.

Hyoscyamus niger

Identical with us. Plant the seed in the
fall (in the ^{first} summer the young plant
is eaten up by insects. Popular name

henbane (L. B. *hyosc.* means hogs bean!).

It grows with stout ~~and~~ as large, sarsine
are diffused to some at large!!

Nat. ord. Solanaceae. ^{be at the} All the species, said to,

Properties first settled by Stokes

Small strong etc. Taste of the leaves, sarsine-
ignora and herbaceous. Root, stem-

leaves & seed, all active. It, a

general rule that when the medic. pow-
ers reside in the ascending sap the seeds
are inactive ^{e.g. many} & otherwise the seeds
are generally more active as in the case
with this & stramonium.

Active principle hyoscyamine which
exists (as is generally the case) in com-
bi-

reaction with malic acid

Appears to be a pure narcotic
& to possess no other powers

Promotes an anesthetic, allaying irritable action &
occasionally (I have probably indirectly)
diaphoretic and ^{diaphoretic} cathartic

Said to be soporific & anodyne. This
is denied, & Prof. does not find it
answers these indications well (except
slightly and indirectly) N.B. in general
the pure narcotics do not exert a strong
soporific effect.

Said to resemble the opium. But
it is not stimulant, nor anodyne, nor
anesthetically anodyne, nor soporific. It
seems to be far inferior to opium in restrain-
ing morbid irritability. morbid secretions &c.
& seems not to be cholagogue.

Though not anodyne, nor anes-
thesizing of pain, yet it is valuable
for chronic cases of pain.

It is a common notion that it is a
good substitute for opium, where the consti-
tuting effect is counterindicated &c. Prof.
I have been entirely disappointed in this ex-

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regulation of fluids, this, however, ~~it did not answer~~
the same purposes as opium. Very, but able often in combination
with opium - less of either of them, is
needed. Seen, to occur in Conium

more except that it is not obstinate

Pot! Even however has used it more
extensively than perhaps any other
man of the 18th century, & it even
acc to some

Poisonous effects

These are much more violent than those of
opium. Excessive delirium convulsions, &c.
see Vide Woodville Ed & Var. &c.

Pro Hyoscyamus is a weaker article than
opium. It is probably more liable to
disagree than opium. Its poisonous effects
are certainly much worse than those of op-
ium.

Scam antispasmodic, an anodyne, a
soporific. It is thought inferior only to opi-
um. It possesses no stimulating

Preparations 1st ex. pr. infus. juve
of leaves 5 to 10 gr. 4 to 6 times a day
1 grain is about equivalent to 1 drop of

laudanum - as an antispasmodic
 But that in the shops is apt to be lost. Strong
 gels are apt to be imposed by a watery ex-
 tract. They will often mix with the latter
 the powder of the leaves, to increase the strength
 Such extracts by decoction are generally
 very poor.

Pr. T. has seldom experienced any
 good effect from less than ¹⁰ 15 grs. It
 may be required. This is a very uncer-
 tain article

2nd Powder of the seeds has been used
 as long as the seed of a plant possesses vi-
 tality, it preserves its medicinal powers
 Probably this would be a good mode of
 administering the article

Tincture of leaves or seeds

Fill a bottle with recent leaves cut thin
 & cover them with proof spirit or of. alc.
 macerate 16 days & strain. A fl. oz of
 this tinct. is equal to about 5 m. of laudanum
 (Dr. Lewis)

A decoction made by simmering
 the leaves in sweet oil ^{1 pound} is used in the East
 Europe for external application

(of Insomnia)

Diagnosis. Dysphagia spasmodica
Dyspepsia with pains wandering, various
irritability &c. It must be persevered
in. Col Rheumatism. It is not
impossible of cure, but may be conjoined with
it, perhaps with Concomitant also,

diathetic cough - with opium.

Croup in the second, irritable stage (See
Dysentery typhoides (Common dysentery) - Prop. 5
But it should not supersede opium
Dysentery always requires opium - per-
haps other things also

Arthritis podagrica (Gouty Prop. 3. has found
opium beneficial in all the cases which he has
seen. Arthritis rheumatica (Not Rheumatism)

Gonorrhea, vulgaris, particularly in the vas-
terii) Prop. 3. has succeeded best with a
mixture of opium Concomitant & honey-suckle.
Thought to be inadmissible in Menstrua

Prop. 3. has relieved prostrations of women by
opium ^{in moderate quantities} but not enough to enable him to
recede - So of Melancholia

Agrypnia chronica - hard to cure
also. Colic hemicrania

recommended - then I have not
 answer - but Prof. J. has never met
 with such cases. Lately he has succeeded
 best with stychnos.

Paronychia (the same with *spermor-
 thea entomica*) a very well known & seen
 to be bad. *Satyria*, & *Strophomena*
Gypsa all the species.

Spermotricha. *Parasemia* distinct?
Carcinoma schizotheca (distinct from
Cancer). *Leptosis uteri*

H. aureus, & *albus* are active
 species. & the former being resistant would
 be more convenient of cultivation.

Natura

D. Tetula is our common species.

Stinking weed, the most common ^{poison} name
 on apple is another. *Gonostoma* weed
 (Westend pink! Melford.)

Tab. ord. Solanaceae. Habit doubtful
 seems to follow civilized man.

Prof. J. has watched the plant for 30 years
 he has made the two species grow together

I never ~~the~~ found them in single. Some-
 as distinguished it from *D. stramonium* -
 The latter has a purple stalk, speckled
 with deep green - blossom white, streaked
 with purple. *D. tuberosa* has a pea green
 stalk - the general habit is different

The seeds are the most active
 the root ~~the most~~ and the leaves next
 the root the most uncertain

Both these have similar ~~species~~ properties

Datura Metel ^{from China} is now natural-
 ized with us (called *D. alba* else) is a plant
 not so tall - flowers cream colored capsule
 does not open by four regular valves
 Probably more active

Datura ceratocaula is now
 naturalized ^{from G. B.} also with us - flowers very
 large - fragrant. In India *D. ferox*
 & *D. pubescens* are most used. *Datura*
Quazagultensis is used in S. America
 - Active principle *Daturin* (existing
 in combination with malic acid)
 Malate of *Daturin*, soluble both in water
 and in alcohol.

Cooper's - marble

It is said that smelling the plant, and sleeping in a bed made of the leaves, will produce vertigo, nausea &c.

It allays irritability, &c. debility
the pupils vertigo head ache urgency
of the throat ^{strange} delirium convulsions &
blindness ~~strange~~ &c. &c. Large
quantities at once produce a sense
of glowing heat which has been mistaken
for a sthenic last operation

The modest and dullest desire is subdued
by it. Poor! what a very dull

Co 2. In *Defensio* many Counties
are recorded, with the names of the
people who live in them. See Beveridge's
Hist. Virginia.

Cassia chila delinies in scarlet flesh
upon the face pubescent red erupthoi so.

The effect vary considerably, yet there is a general similarity so that we may recognize the article. Moderate debilitation of the sight & some affection of the sight are the necessary tests of a sufficient quantity. The test is as necessary a test in a chronic case, as an affection of the mouth for Catarrh.

Natura is universally agreed to be
narcotic. It is called by authors to
in many cases, anodyne - said to be so
because Prof. S. has often seen it relieve
it, but it causes the reverse - this

sedative probably because narcotics
(from its exhibition it might be supposed spe-
cific to be narcotic) sedative also because
narcotic. Called by B. & R. Carter
& Chapman stimulant, but it has not
been called so because the stimulation of Brown's
theory it has since been the fashion to consider
all sedative effects as the result of a stimulant
operation.

It certainly never increases, relax-
es every chronic disease. Its power of
increasing dilatation of the pupils, and flushing
face as proofs of stimulation. It is used
indicated in phlogistic diseases.

Called the emmenagogue. Prof. S. has known
it be tried without any effect. It is used
to relieve excessive irritation and suffers the discharge
to return.

Called refrigerant with no
stimulation. Called discutient, externally
applied. It is so by its narcotic antirritant
process.

Datura, or *belladonna* (probably)
more viridly than any other article. Rosen-
ble, *Spigelia* also

in all cases, connected with such
an affection of the brain as produces, contrac-
ted pupils, *datura* is more or less remedial
(even in phlegmon, or inflammation of the eye-
ball) Prof. S. thinks it better adapted
to spasmodic diseases, than *belladonna*.

The article has probably been more used

in G. than in any other part of the world

Paris says that nitric of silver & ace-
tic acid are incompatible. But this is, no rea-
son, why they should be so.

Lactic and Citric acid are said
to be antacids. This is false. The best mode
is to coat and freeze both in the first place
Then shake, and stimulate. Does it alter of
fact These acids have been found with bile
or nothing

Preparation Powder of dried leaves

Dose 100 increased to 10 or 20

But this is the most uncertain preparation of the
article. You must first try the medicine until
it produces effect, or it. Powder of it

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Sida is a much better preparation. The seeds are the strongest part, and will keep an indefinite period of time. The activity resides in the episperma. The cotyledons are inactive. Hence for liquid preparations, use the entire seeds. The active dose for the leaves is less small as here a dose of the seed is required. Dose of seed, 1 to 5 gr. ^{or 10} it should be made of the seeds. Ireland recommends a bark of the decoction.

Fruct. ^{entire} ~~Seed~~ 1/2, dilut. alc. 120
 macerate 1 week & strain. Dose same as Dec. 1/2.
 Extract this is the expressed inspissated juice
 Dose 1 gr to 4 sc. &c.

It is not worth it to be true any further to the seeds. The Liniment, containing cerates of stramonium had better be made with with the seeds than with the leaves. The Liniment is not worth retaining; the ointment being better for a soft application. A compound plaster of Canth. & dates is used for blistering. Its activity doubtless is a depletion of the tissue of seeds, with broad & milk. an excellent article.

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Cinch. Colomb. so.

Dysentery - arrested by it

The bruised leaves are applied to any
external inflammation. Celebrated in

Peru & by. (Lophthalech. th. killed

leaves, applied - Mustel. (a fl. of man.)

Useful for external lesions of nurses.

Arthritis, rheumatism, & podagra
Undoubtedly, it will consist etc. & locally,
& rheumatism & var. alga. (Association
of certain with the composition of certain of
the anion - but the blister is, as far

Trunk & legs that all topical pain, may
be relieved by the ext. appl. of the hot.

Geranium, vulgare, (Cancer Cancer) -
acutellus & luteus, or formentation with
bruised leaves - Considerable reputation

Topical use of some of the leaves - probably
by itself as a defoliant & locally as Cancer
and externally.

Echinacea maritima, & rubra - Consider-
ably used - probably it was first employed for
its soporific effects. Moria in bacilli, (Lined)
very improbable.

(Versalga in large doses (Bigele)

But Prof. has, on a combination of nar-
cotics than any single one. - and if the sin-
gle one, opium is generally the best. The
word *hypothetice* neuralgia, ~~of~~ especially
of dyspnoea. There is also what is
designated *intermittent* & may be cured
like that. (C. & G. is re. Dr. W. & W. & W.
case) & Dr. Thompson mentions even that
all even chronic pains

Mr Chapman believes it may be useful
in fevers & in remittent (fever of epidemic).

~~Quinine~~ Used exclusively as a stimulant for belladonna for dilating the pupil, previous to the operation of cataract. Belladonna is much preferable stronger & we extract a little extract of bell. stored around the eye & is as good as a cataplasm of stramonium.

Synclonus chorea which is an approach
to paralysis - a person who has it will go
through a stage of chorea - a very valuable
remedy it will cure alone - but generally
there is a strong tincture must be given and
that this is a good article, muscimula
is generally better - they may be usefully
combined - Prussic is generally inferior.
valeriana is likewise a valuable remedy

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Synopsia Convulsiva very valuable -
the emetic action, however, are for an inef-
ficient result. Prof. S. has found it the
most valuable article for convulsions

A quantity of opium insufficient to arrest a
fit will aggravate it perhaps as of delirium
Give a direct spongie (of linch.) at once
and repeat if necessary - generally a ta-
ble spongie will cure - but more may be
necessary.

Synopsia Hysteria
Prof. S. would give an anodyne for a little
before the linch. is a spongie repeated
every 10 min. & so on as unequal to it, in
material also. ^{one of the most common} ~~the~~ ^{prophyl.}
V. S. will break up a fit
but in this case eventually break down
the constitution. Vomiting is next in com-
mon use. Prof. S. has tried both, & he came
early, tried of them. *Synopsia* is more
in amuse the patient, and the fit goes off
itself. Opium will cure but a large
dose is required and ~~is~~ is inconvenient
~~sequel~~ ^{sequel} ~~remains~~ ^{remains} the next day.

Synopsia Epilepsy - the most valuable
remedy in this disease also - when not
dependent on organic effects, which may

be known to this occurrence, in a young
of similar & similar subject by suggestion
re-occurrence, by thinking of the occurrence by reg-
ularly, by not being, but of reg-
ularly, by not occurring, at
night when the patient is asleep

1st fit seen the intervals of the paroxysms of seeds 14 days 20th 30th 40th 50th 60th 70th 80th 90th 100th 110th 120th 130th 140th 150th 160th 170th 180th 190th 200th 210th 220th 230th 240th 250th 260th 270th 280th 290th 300th 310th 320th 330th 340th 350th 360th 370th 380th 390th 400th 410th 420th 430th 440th 450th 460th 470th 480th 490th 500th 510th 520th 530th 540th 550th 560th 570th 580th 590th 600th 610th 620th 630th 640th 650th 660th 670th 680th 690th 700th 710th 720th 730th 740th 750th 760th 770th 780th 790th 800th 810th 820th 830th 840th 850th 860th 870th 880th 890th 900th 910th 920th 930th 940th 950th 960th 970th 980th 990th 1000th 1010th 1020th 1030th 1040th 1050th 1060th 1070th 1080th 1090th 1100th 1110th 1120th 1130th 1140th 1150th 1160th 1170th 1180th 1190th 1200th 1210th 1220th 1230th 1240th 1250th 1260th 1270th 1280th 1290th 1300th 1310th 1320th 1330th 1340th 1350th 1360th 1370th 1380th 1390th 1400th 1410th 1420th 1430th 1440th 1450th 1460th 1470th 1480th 1490th 1500th 1510th 1520th 1530th 1540th 1550th 1560th 1570th 1580th 1590th 1600th 1610th 1620th 1630th 1640th 1650th 1660th 1670th 1680th 1690th 1700th 1710th 1720th 1730th 1740th 1750th 1760th 1770th 1780th 1790th 1800th 1810th 1820th 1830th 1840th 1850th 1860th 1870th 1880th 1890th 1900th 1910th 1920th 1930th 1940th 1950th 1960th 1970th 1980th 1990th 2000th 2010th 2020th 2030th 2040th 2050th 2060th 2070th 2080th 2090th 2100th 2110th 2120th 2130th 2140th 2150th 2160th 2170th 2180th 2190th 2200th 2210th 2220th 2230th 2240th 2250th 2260th 2270th 2280th 2290th 2300th 2310th 2320th 2330th 2340th 2350th 2360th 2370th 2380th 2390th 2400th 2410th 2420th 2430th 2440th 2450th 2460th 2470th 2480th 2490th 2500th 2510th 2520th 2530th 2540th 2550th 2560th 2570th 2580th 2590th 2600th 2610th 2620th 2630th 2640th 2650th 2660th 2670th 2680th 2690th 2700th 2710th 2720th 2730th 2740th 2750th 2760th 2770th 2780th 2790th 2800th 2810th 2820th 2830th 2840th 2850th 2860th 2870th 2880th 2890th 2900th 2910th 2920th 2930th 2940th 2950th 2960th 2970th 2980th 2990th 3000th 3010th 3020th 3030th 3040th 3050th 3060th 3070th 3080th 3090th 3100th 3110th 3120th 3130th 3140th 3150th 3160th 3170th 3180th 3190th 3200th 3210th 3220th 3230th 3240th 3250th 3260th 3270th 3280th 3290th 3300th 3310th 3320th 3330th 3340th 3350th 3360th 3370th 3380th 3390th 3400th 3410th 3420th 3430th 3440th 3450th 3460th 3470th 3480th 3490th 3500th 3510th 3520th 3530th 3540th 3550th 3560th 3570th 3580th 3590th 3600th 3610th 3620th 3630th 3640th 3650th 3660th 3670th 3680th 3690th 3700th 3710th 3720th 3730th 3740th 3750th 3760th 3770th 3780th 3790th 3800th 3810th 3820th 3830th 3840th 3850th 3860th 3870th 3880th 3890th 3900th 3910th 3920th 3930th 3940th 3950th 3960th 3970th 3980th 3990th 4000th 4010th 4020th 4030th 4040th 4050th 4060th 4070th 4080th 4090th 4100th 4110th 4120th 4130th 4140th 4150th 4160th 4170th 4180th 4190th 4200th 4210th 4220th 4230th 4240th 4250th 4260th 4270th 4280th 4290th 4300th 4310th 4320th 4330th 4340th 4350th 4360th 4370th 4380th 4390th 4400th 4410th 4420th 4430th 4440th 4450th 4460th 4470th 4480th 4490th 4500th 4510th 4520th 4530th 4540th 4550th 4560th 4570th 4580th 4590th 4600th 4610th 4620th 4630th 4640th 4650th 4660th 4670th 4680th 4690th 4700th 4710th 4720th 4730th 4740th 4750th 4760th 4770th 4780th 4790th 4800th 4810th 4820th 4830th 4840th 4850th 4860th 4870th 4880th 4890th 4900th 4910th 4920th 4930th 4940th 4950th 4960th 4970th 4980th 4990th 5000th 5010th 5020th 5030th 5040th 5050th 5060th 5070th 5080th 5090th 5100th 5110th 5120th 5130th 5140th 5150th 5160th 5170th 5180th 5190th 5200th 5210th 5220th 5230th 5240th 5250th 5260th 5270th 5280th 5290th 5300th 5310th 5320th 5330th 5340th 5350th 5360th 5370th 5380th 5390th 5400th 5410th 5420th 5430th 5440th 5450th 5460th 5470th 5480th 5490th 5500th 5510th 5520th 5530th 5540th 5550th 5560th 5570th 5580th 5590th 5600th 5610th 5620th 5630th 5640th 5650th 5660th 5670th 5680th 5690th 5700th 5710th 5720th 5730th 5740th 5750th 5760th 5770th 5780th 5790th 5800th 5810th 5820th 5830th 5840th 5850th 5860th 5870th 5880th 5890th 5900th 5910th 5920th 5930th 5940th 5950th 5960th 5970th 5980th 5990th 6000th 6010th 6020th 6030th 6040th 6050th 6060th 6070th 6080th 6090th 6100th 6110th 6120th 6130th 6140th 6150th 6160th 6170th 6180th 6190th 6200th 6210th 6220th 6230th 6240th 6250th 6260th 6270th 6280th 6290th 6300th 6310th 6320th 6330th 6340th 6350th 6360th 6370th 6380th 6390th 6400th 6410th 6420th 6430th 6440th 6450th 6460th 6470th 6480th 6490th 6500th 6510th 6520th 6530th 6540th 6550th 6560th 6570th 6580th 6590th 6600th 6610th 6620th 6630th 6640th 6650th 6660th 6670th 6680th 6690th 6700th 6710th 6720th 6730th 6740th 6750th 6760th 6770th 6780th 6790th 6800th 6810th 6820th 6830th 6840th 6850th 6860th 6870th 6880th 6890th 6900th 6910th 6920th 6930th 6940th 6950th 6960th 6970th 6980th

Prof. T. has learned to give so much as
to destroy this irregularity - present & he, using
his eyes, and ^{the eye} ~~the eye~~ ^{refracts} ~~refracts~~ ^{is short} ~~is short~~ ^{produces} ~~produces~~ ⁱⁿ ~~in~~
the eye with 2d. & 3d. (power of
cent. at. (which is, rather inferior) & he
was for a year. He, after stated by the
patients and their friends, that it did not
he, but was and saved or been injured -
It's Prof. T. does not believe. The eye
is not permanently affected by it.

Prof. F. has also derived great benefit from *Datura* as a palliative in hysterical cases, and in cases in which the paroxysms are irregular, without warning &c. One hysterical patient, made in all respects more comfortable for some years. She took a teaspoonful of the seeds 2 or 3 times a day. Dr. Fisher of Berlin & Dr. Fisher of Maryland, cured all the first sort of cases. Prof. F. ^{also} does not use the article in sufficient freedom; if when Prof. F. resents his practice. The main difficulty in curing the disease is in managing the patient.

2nd of its use for the suspension of a paroxysm. Prof. F.'s mode is original. He has practised it for 15 years. The practice is original with him. Cases - young lady - severe ^{1st} paroxysm - purged and bled, till nearly moribund - ~~at last~~ with no improvement - but an aggravation of all the symptoms. Prof. F. ^{was called in} at table spoonful of the extract of *Datura* soon restored her - the pupils of the eyes began to dilate. (they had been contracted before) and as they dilated, the con-

- in this, diminished. Other cases, but had
 not been bled. When the patient has four inches of
 the purges. $\frac{1}{2}$ fl oz or $\frac{1}{3}$ will be
 safe, prophylactic. Treat before
 the purges, a reflux

In epileptic puerperal convulsions
 the use of Detra is more important than
 Prof. L has known the most violent
 relieved by $\frac{1}{2}$ fl oz of Det. det. claus.
 & an ounce of oil. pine

Bleeding is not per se a remedy for this
 disease. - if phlogistic diathesis is pres-
 ent, bleed. Bleeding often does hurt
 the good. Apply belladonna a fore-
 ly to the anterior & the posterior part of
 the nape

Give also emulsion of oil. pine ^{except the anterior}
 the action is suspended in its action

Give also the ergot to bring on uterine
 action. In a bad case if the pa-
 tient has been much reduced by bleeding
 you may as well despair

The epileptic convulsions are the
 most formidable. The common & the
 hysterical convulsions, will tolerate any

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practice, they generally are not dangerous. Still the nature is of best action

Tetanus. Prof. T. has not known it tried in severe tetanus. But in milder cases, ^{may} Prof. T. thinks, are hysterical clonus has cured.

The practice of pushing opium gradually to the amount, say of 40 or 50 grains in 24 hours, is not the way. You must push the remedy until the disease is relieved or until somnolency from the opium is produced. 200 grs. in 12 hours have cured. Combination of narcotics are best.

Dr. Woodford of Vt. has succeeded with op. & aconite

You may have cases in which nothing will have any effect. Some cases will exhibit somnolency after a few drops of laudanum. In such case, narcotics will not succeed.

At B. Some physicians are afraid of every thing but death

Nature is worth trying in this way in *Lycosa canina*

Paramecia aff.

A valuable lotion for cutaneous affections -
 In prurigo Sepidar's preparation
 In peligo var. torpida & lumbosa
 Scabies, (itch) as an adjuvant

(Tomentum) of nature, perfect to
 diseases and old humors. Most use-
 ful for burning & scalds, for which it has
 been used this 100 years

The

The oldest account of the
 use of the D. Stran. by Gerhard.
 Baron Stock etc, the first to investigate it
 There is at present much mistake and mis-
 apprehension about the article. But a part
 of the profession are thoroughly acquainted
 with its use. Chopine, Bigelow &c.
 are very ignorant about it

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Atropa Belladonna

Atropa lethalis of many. *Solanum lethale* &
S. lurida - Deadly nightshade, of Swale

But *S. Dalecarica* & *S. nigrum* are called
 deadly nightshade (and the country was

once supplied with at. bellad. from it

(*S. nigr.*) Act. ord. Solanaceae

Hab. England. Cultivated in Con-
 tinent (from Dr. Ery)

Root perennial

to animal. Difficult to raise it

from seeds, as the insects eat the young
 plants.

All parts exposed to the

active (not known however whether the

root has been used, - the seeds are

probably active. The leaves are the

most used. They have been often used

analysed they give Atropine - an

alkaline principle said to exist in the

form of bi-salts (but there several of the

salts which contain even as many as 16

prop. a.c.) 2nd Malic acid (comp. con-

taining atropine) - other resinous prin-

ciples are found

Dr. Thompson says the plant does not

lose its properties by drying - this is probable

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Prop. 1. from this article to reserve the
Luna of Angelica. It delays it ~~the~~
pupils, & produces a delirium somewhat
the vapours

Antidotes, said to be vinegar (this was
an old practice for the sake of

Pharm. prop- for d. of disease, 1 to 12 grs.
Ex. & var. 1/2 to 3 grs. ^{admixt.} S. S. 1 gr.

is mixed to 6 grs daily (Gundlach)

12. Prop. 1. has always used the extract
1/6 of a grain of extract from D. D. as a
full dose. It is very apt to be

an extract of something else - is an extract
spoiled by keeping. Prop. 1. has given ^{no effect} 1/3. It

Infusion directed 20 grs. to 13 of them

Prop. 1. employs a lecture

Extract should be of a species of pressed
juice - dose said to be 1 to 12 grs.

Formulas are given for emulsions &
for elixirs, 3ii to 3ii of elixir

11. Vision. & clear, recommended
for the treatment. Hooping cough

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quite celebrated said to respond to
concrete long very & early & rapid,
to sometimes, success, & sometimes, fail,
Hemorrhoids & Gonorrhea are also ~~very~~ use-
ful which is, the best is, not settled.

Intermittent fever rec. a variety of
Chronic infl. Gorgit's phlegm on day
(white swelling) but does not effect the
canceller before of the bones & joints,
ac. to show about with, acc. to probably
valuable. Rheumatism not spec-
ified in what sort probably useful. It
there is, no man's swelling & affec-
tion is not curative.

Rosalie - Many Germans consider it a
prophylactic no very good evidence
15 yrs ago the periodicals were free of
the matter. Cancer for relief
to allay pain & irrit. So if malignancies
Mamma & Melancholia - probably to
the sleep. All the neuralgia -
both externally, & internally. Tic douloureux
Tysac Canina (Quadrant) worth trying.
Epilepsy rec. Palsy can be
only to obviate the lesion of the nerves

Paropos, amarozi, on the same principle.
Paropos, Cataracts before operating - bet-
ter than stramonium.

Dropsy (Dried & E. & L. ex.) - diuretic
power, have been ascribed but improbably
Sarcocolla schroteriana (Schroter's humor)

Used to relax a rigid os uteri. It
has been long been used for this purpose
in N. England. It is as effective as for
dilating the pupil of the eye. Apply
 $\frac{1}{2}$ or $\frac{1}{4}$ oz. to os uteri & the posterior part
of vagina. Very extensively used by Wood
ward of Vt. Abortive perhaps in-
ternally to accelerate & facilitate giving
clow, at the same.

Presentation of placenta - perhaps - to fa-
cilitate the distention & allows of the introduc-
tion of the hand. Dr. W. of Vt. gives it
clow immediately, apply the bellad.
- (or any) clow the hand to press hard upon
the placenta. The child is dead of course
but this is always the case

Sclerotium Clavus

Secale cornutum. *S. conicalatum*

Arum de Clavus (London)

A parasitic fungus found beneath the scales
glumes of many cerealia; granivorous
e.g. rye, wheat, barley, oats, ^{phleum pratense} corn &c. &c.
Widmann makes two varieties. One a thier
with other most differing in color &c. Proper
could never distinguish two well marked
varieties

Colored. ^{reddish} - int. white cylindrical-
test subovoid &c.

No good analysis has been made
It contains a vegetable matter & a little ^{fixed} acid
and on a ~~low~~ acid supposed to be the
phosphoric acid &c.

It is not a degenerated seed - but a fungus
The fungus upon which it is probably the *Sclerotium*
may die. It is not an excrescence

produced by the puncture of an insect though
insects may accidentally be found in it

It has all the physical characters - and even
the casualties of the genus *Sclerotium* -
which consists of small oblong, hard, almost
woody bodies which have fixed places of growth

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Some of them are subterraneous, found
on the roots of weeds, under the droppings
of cattle on the receptacles of corn &c. &c.
in the place of the germs
of grasses, &c. They are nevertheless
not affecting the general health of the plant
on which they grow. They are strictly topi-
cal i.e. they do not injure an adjoining germ.
It has the property of moulding itself into
the shape of the adjoining surface.

These qualities all are found in the *S. clarus*.
Vide Decandolle. Various other
species of *Sclerotinia* possess the same powers.

Saken internally it may reduce
the pulse, ^{irritation} & even more heat, vertigo
epigastric uneasiness nausea, bluish
color (or mottled) of the face, ^{fornication} in men,
& excitable subjects. It may produce tetan-
ic convulsions, even apoplexies - but these
tetanic convulsions appear to be preceded
by some sort of convulsion of involuntary muscles.
It stupifies & apparently kills flies - like
Helicoverpa, &c.

If there is a predisposition to uterine con-

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Erection most powerful and incessant
ones are produced - when other ef-
fect will be perceived, unless the patient
is extremely susceptible. Most females while
in delivery are insusceptible to narcotics.
Shorter may be brought on occasionally
by it.

The child is apt to be dead or if
not, in a state of asphyxia - or still often
very feeble, mottled on the surface or
very flexible, apt to be liable for a long
time. These effects are attributed by some
to the steady pressure upon the head. But
this cannot be. Prof. L. has known delivery
last 5 days - from a small pelvis -
and yet the child cried vigorously.

Some of the obstetricians have
noticed the narcotic powers of the aortic
Pneumatic friction is extensively ac-
quainted with it. It is very common observed
in the mother shown by reduction of the pulse
dilat. of the pupils - mottled skin &c.
Dr. March & Dr. Reid quoted (The latter thinks
it ~~is~~ is narcotic. That it obstructs the
of the placenta & hence excites

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uterine contraction & hence also it kills
the child - the placenta performing probably
the office of stomach & lungs

Stychnos nuxvom produces, uterine
convulsions. Aclaea excites uterine con-
tractions. Prof. S. has known other invol-
untary muscles affected with convulsions
after moderate doses - e.g. heart - res-
piratory muscles. Aclaea is as good
an emetic as this. It is as certain &
more safe & convenient - it does not
so much ^{so much} produce drowsiness - does not
kill the child - leaves the system in a
more susceptible and a better state.

S. Clavis - takes Spigelia & digitalis
- produces a slight febrile state

It is useful in bringing away the
child, after exciting parturient efforts -
the uterus remains susceptible - so also
when from exhaustion of haemorrhage &c.
the uterus is exhausted. Aclaea seems
to be superior in this respect.

Clavis does not however find often
the other articles of M. M. useful for inducing
Clavis is a safe and perfect antispasmodic -

close to closure. It will completely
counteract its parturient effects. 2 to 5
grs. may be required. Alcohol will
not counteract. Nature appears not to

Dr. Harris, thinks by giving it in
small, often repeated doses, with opium
regular, a uterine contraction of the
uterus may be produced - this is quite
a hope. It must be a difficult point
to hit.

It is thought analogous by
some. This not very probable.

When dose may be thrown off.
It has not been suspected of being cath-
artic.

For the operation of it upon the
uterus - there must be a predisposition in
that organ to contract - caused by a full
period of gestation - rupture of membranes
haemorrhage &c.

Pharmaceutical. It is very fine powder
(It is almost analogous to cork in consistency)
Med. dose 10 grs. if necessary repeat it
never less at intervals of 10 or 15 min.

Given up, an additional will be needed
But this is an intention & prop. - It has
its strength to be said.

2nd inf. is. 17 cases p. d. to $\frac{1}{3}$ of
water let it stand 2 hours - Dose $\frac{1}{3}$

repeated if necessary ^{very 12th m.} to let the whole is
taken at 12. It is supposed to be that
inf. are, not take out the whole at 2nd at

3rd Dec. made it the same prop.
with the same dose. - But 5 to 11 min.
& 12 an

4th lin. d. del. at alc. (.935) $\frac{1}{4}$ pt to $\frac{1}{3}$ li
clear. Dose $\frac{1}{3}$ repeated 3 or 4
times if necessary. It is the Prop. of it
Prop. in phys. exclusively. The lin. d.
appears not to resist strength by wrapping
He has known one of the lin. d. lose its strength
in one case. becoming colorless.

This is the preparation which can be given
without the paying curiosity of the old women.

Violent prejudices exist against it in many
places, & it is called it out of it. It is
called, however, Prop. & uses the
action as an exclusive substitute.

Prof. & and his friends have all ascertained
that when the article has lost its color it has
lost its medicinal power.

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The capital of pl.

Pseudocera virgata, often reported to
valuable secondary stages, but is as valuable
as valuable from the first instar of larvae,
the frequency of fresh discharges. The climate
their bodies are ^{10 per} cent. a full body.

It may stop it at once. I will cure in
a few days or a week. A few alone pine
near N. York used this article for this purpose.

It has often been used by physicians,

12, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256, 1/512, 1/1024, 1/2048, 1/4096, 1/8192, 1/16384, 1/32768, 1/65536, 1/131072, 1/262144, 1/524288, 1/1048576, 1/2097152, 1/4194304, 1/8388608, 1/16777216, 1/33554432, 1/67108864, 1/134217728, 1/268435456, 1/536870912, 1/1073741824, 1/2147483648, 1/4294967296, 1/8589934592, 1/17179869184, 1/34359738368, 1/68719476736, 1/137438953472, 1/274877906944, 1/549755813888, 1/1099511627776, 1/2199023255552, 1/4398046511104, 1/8796093022208, 1/17592186044416, 1/35184372088832, 1/70368744177664, 1/140737488355328, 1/281474976710656, 1/562949953421312, 1/1125899906842624, 1/2251799813685248, 1/4503599627370496, 1/9007199254740992, 1/18014398509481984, 1/36028797018963968, 1/72057594037927936, 1/144115188075855872, 1/288230376151711744, 1/576460752303423488, 1/1152921504606846976, 1/2305843009213693952, 1/4611686018427387904, 1/9223372036854775808, 1/18446744073709551616, 1/36893488147419103232, 1/73786976294838206464, 1/147573952589676412928, 1/295147905179352825856, 1/590295810358705651712, 1/1180591620717411303424, 1/2361183241434822606848, 1/4722366482869645213696, 1/9444732965739290427392, 1/18889465931478580854784, 1/37778931862957161709568, 1/75557863725914323419136, 1/151115727451828646838272, 1/302231454903657293676544, 1/604462909807314587353088, 1/1208925819614629174706176, 1/2417851639229258349412352, 1/4835703278458516698824704, 1/9671406556917033397649408, 1/19342813113834066795298816, 1/38685626227668133590597632, 1/77371252455336267181195264, 1/154742504910672534362390528, 1/309485009821345068724781056, 1/618970019642690137449562112, 1/1237940039285380274899124224, 1/2475880078570760549798248448, 1/4951760157141521099596496896, 1/9903520314283042199192993792, 1/19807040628566084398385987584, 1/39614081257132168796771975168, 1/79228162514264337593543950336, 1/158456325028528675187087900672, 1/316912650057057350374175801344, 1/633825300114114700748351602688, 1/1267650600228229401496703205376, 1/2535301200456458802993406410752, 1/5070602400912917605986812821504, 1/10141204801825835211973625643008, 1/20282409603651670423947251286016, 1/40564819207303340847894502572032, 1/81129638414606681695789005144064, 1/162259276829213363391578010288128, 1/324518553658426726783156020576256, 1/649037107316853453566312041152512, 1/1298074214633706907132624082305024, 1/2596148429267413814265248164610048, 1/5192296858534827628530496329220096, 1/10384593717069655257060992658440192, 1/20769187434139310514121985316880384, 1/41538374868278621028243970633760768, 1/83076749736557242056487941267521536, 1/166153499473114484112975882535043072, 1/332306998946228968225951765070086144, 1/664613997892457936451903530140172288, 1/1329227995784915872903807060280344576, 1/2658455991569831745807614120560689152, 1/5316911983139663491615228241121378304, 1/10633823966279326983230456482242756608, 1/21267647932558653966460912964485513216, 1/42535295865117307932921825928971026432, 1/85070591730234615865843651857942052864, 1/170141183460469231731687303715884105728, 1/340282366920938463463374607431768211456, 1/680564733841876926926749214863536422912, 1/1361129467683753853853498429727072845824, 1/2722258935367507707706996859454145691648, 1/5444517870735015415413993718908291383296, 1/10889035741470030830827987437816582766592, 1/21778071482940061661655974875633165533184, 1/43556142965880123323311949751266331066368, 1/87112285931760246646623899502532662132736, 1/174224571863520493293247799005065324265472, 1/348449143727040986586495598010130648530944, 1/696898287454081973172991196020261297061888, 1/1393796574908163946345982392040522594123776, 1/2787593149816327892691964784081045188247552, 1/5575186299632655785383929568162090376495104, 1/11150372599265311570767859136324180752990208, 1/22300745198530623141535718272648361505980416, 1/44601490397061246283071436545296723011960832, 1/89202980794122492566142873090593446023921664, 1/178405961588244985132285746181186892047843328, 1/356811923176489970264571492362373784095686656, 1/713623846352979940529142984724747568191373312, 1/1427247692705959881058285969449495136382746624, 1/285

Intermittent fever - said to ^{have} cured it in many cases - 10 grs every 2 hours for some time before the expected paroxysm.

Hydrobia mesocephala

Passive & irritative haemorrhages from nose
lungs, rectum, liver, bladder, uterus, &c.

It is 24 hours, in 8 or 10 days, Prof. T. has
after employed it in chemistry with success
just as he has, a class

Hyperbaia hystera Zinn

Paramecia supplem. cony. as before.

Chap. to the Hall - & continue, &
 very dry throughout the colonial period
 P. & depression is apparently not val also
 in an even manner. - General com-
 muni, - Marshall Hall continue several
 days. - Abortions - the abor-
 tion is inevitable - hem. prog. & particularly of
 late, full - when too quiet & pains, will
 not keep off abortion. This is one of the
 greatest improvements in modern obstetrical
 medicine.

Hemorrhage during uterogestation to produce
 abortion - when the successions of hemorrhages
 may destroy the patient, if offered to
 continue - Many patients have lost their
 lives, when patients come in the un-
 avoidable loss of blood during delivery
 destroys the patient. Case related in which
 the pat. was apparently dead from loss of blood
 no relaxation of os uteri

Dr. Reed states it may destroy the child
 & after a day being it may increase again -
 probably the is caused by going too much.

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When there is urgent pericarditis, it may be proper to give chloroform before the incision, ventilation and the amputation of the hand. Conspicuous blood from the arm to produce relaxation of the presentation of placenta after before the hand can be introduced. The chloroform may be given to bring down the head up the placenta & then supposes the hand after wards around the os uteri with belladonna. These two cases are contrary to the book, but at last after being practised by Lally and his friends. They may often be used if necessary to produce relaxation.

Lacerating peritonitis attended with laceration of the pericardial membrane, - & an abscess of the uterus.

Pericarditis syncope or convulsion. Syncope or convulsion, - a convulsion of delivery being produced. You may give camphor & spirits of camphor and water or may be camphor. Vide Datura.

It is not possible for the arm can be regulated. The arm of the uterus cannot.

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During parturition when the
uterine contractions have ceased when
a protraction ~~has~~ is necessary in the
use of the forceps. After the delivery ^{is}
the secundary conapt to be retained

Breech presentation The head is apt to
be detained by the uterine contraction of the os uteri
around the neck - great abuse is generally
necessary to extract the head. The claws
will generally do no good. The forceps
should be used?

1) Perodynia secundaria where there
is hour glass contraction - all the books
forbid it. But Prot. has repeated
known it relieve. Dr. Wood. of N.Y.
says it is absolutely certain to prevent on
the one hand & to cure on the other,
this hour glass contraction.

Retention of descending from
deficiency of uterine contraction - f. 11
or even 2/30. may be needed more will
often be needed than for the delivery of the

Generally when the claws have
been used, the placenta will be thrown off
just after or in connection with the delivery
of the child

The use of the claws may at first always
supercede the introduction of the hand.

Sensibility after delivery - and
it may begin with convulsions as a pre-
lude - just before delivery - where there is a
tendency to her convulsions. But Dr. Reid says
we should wait till the head is delivered - for
fear of injuring the child. In the last case
which Dr. Reid had he had great difficulty in
resuscitating the child.

After pain, - when they are
caused by irritation from coagulated blood
- where there is a deficiency of contraction.

Postura Pueri - where there is a ten-
dency and deficient contraction. Some
say that the claws will not act after the
delivery of the child. But Prof. H. never
knew it fail - although it might require
10 to 30 minutes. This is known to a great
many writers also.

No doubt mischief has been done
by this article - but many with restrictions
cannot well be made. For instance it
will be that it should never be given when
nature is competent to delivery - but

case, of her overage so may be excepted,
e.g. her overage is endangering the life of the
mother even before the commencement of
labour pains. If after you have stopped the
pain her overage the uterine contractions
are too violent, you may always stop or
restrain them by opium. If you wish to
relax the os uteri you may do so by bleeding
but generally by local application of belladonna.

Excerptio, ~~may~~ have already been
mentioned, to the rule that it is not to be
given until the os uteri is relaxed.

The indication, one from something else
than the dilatation of the os, will then be
dilatation.

Dr. Thurn, is right in saying that
it should not be given when we are going
to have occasion to turn. Breech presen-
tation will generally make it inexpedient.

Dr. Thurn's limitation, of the whole quantity
to be given to 1/2 gr. of extract of belladonna
at a time, will apply to most cases - this
not to all - judgment is necessary. For
large doses are often given. But very large
doses, may be needed.

Where the menses are admissible it is
better to use them, if a man is sufficiently
skilled in their use.

As for the use in Catarrhs, Dr. Hume
directs bleeding to be procured in every
case. Prof. L. would not bleed unless there
were indications for v. s. Do not trust
to clearing alone - but give strong doses
of given evacuates of oil pin.

It is even, to be no indication for
the notion that malignant epidenies are
produced by suppressed menses. Menstrue,
relieve or never affected with clearing, or at
menstrue. What is for less sets clear the
menstrue yet these epidenies proceed, & here
the use of menses, or by, or not. But a
clearing may be made. There is
it true for it opinion that chronic
diseases are produced by it.

History Used about 1740 in
Holland by a celebrated Accoucheur
is contradicted by the French legislation a
bout 1770. Used in Connecticut
before Dr. Hume's publication by an accou-
cheur practitioner. Said to have been

Long used before Dr. Stearns' publication
by the Germans of Pennsylvania
The old dispensary by Dr. Cook used it
(in some other cases.)

Dr. Stearns learned it use of some Scotch
woman in Washington ^{country} by W. G. 1867

Selenotus maydis in Indiana
- Said to produce loss of hair in those ~~that~~
who eat the grain said to loose the teeth
Cause, the hair appears to fall off
- Some finally become paraplegic. Mules,
are affected in the same way. (Lays white
line on it lay soft shelled eggs (by pre-
mature delivery or abortion.) (Lays like
hays full and apparently double pro-
- sub paralytic or with a sort of che-
ren. Native deer & does also are they
affected. Some effects occur only in part
Columbus

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Mnandragora vernalis

Root perennial leaf annual. Herb. ord. Falsae
 officinalis; M. aculeis, alioquin denudat
 foliis. Helios, Canina. (Mnandragora
 South of Europe & Greece

But 2 species, M. vernalis & M. autumnalis.
 It is not the Mnandragora of the scriptures. Helios
 is probably a species of orchid;
 Root glossy thick & large. White with
 black root action. Leaves supposed to
 be similar but weaker powers. The fruit
 probably has the same general powers.

Cortical part of the root is thought to be
 more active than the internal

It is believed to be a more proper
 antidote and a specific than any other
 cortic except opium. Vide Shakespeare.
 Othello scene last.

Col. & var. says it is most like at all
 - blue. Cora enagone (Lind.)
 - not named probably. Purgative
 purgative (Lind. & others say
 nothing of this, it is stuff being used to use it
 lively & freely.

Externally applied it is ~~used~~ ^{used} to

Powder of bark of root done 10. cent 31

Expressed juice of root

Infusion of root

Wine of root Symp = Cataplasm
of root made with milk & the leaves of
root

Treat case of poisoning by quick
crates, (e.g. 4 or 5 grs of top. min.)

Castor oil also to carry it off from the bowels

Disease = Paralysis of Coarctation

P. stramonium in both it is much used
by the ancients. Stramonium vulgaris

acutifolium of the leaves of which milk
applied to the neck. Very strong cathar-
tic for its utility internally for stramonium
Orchid stramonium of a close hair

Del. tree. Principal delirium

Prodromia usually. Also Rheumatism
of the joints, rheumatism said to be highly
effective. A disease called Cholera by

the ancients probably a specific
typhoid malarial by the ancients

Parasitism of the bowels

The same ~~parasitism~~ impostition have existed and
is still the subject of much discussion

likely to be stopped by anybody.

It is, according to some, a *Chinese*

Sold to produce boys & girls so to bear
Huckle London Miller &c.

Muscicula Muscaria

Agaricus muscarius. Abundant in Europe & Asia. A Fly poison.
One of the most poisonous fungi (I think) that is known
as it may be seen - all the poisonous fungi are
eaten with impunity in the North of Europe
and Asia.

Used by Dr. Lingsdorf to be used with wine
brandy or opium by the Kanschatschades,
&c. Rolled up like a ball, swallowed
by them. When stupor is a disease
of the berries of *Vaccinium uliginosum*.

It is a stimulant and a nerve like wine.

One or two small fungi said to be
a little dangerous. Water is allowed on
wounds its effects. However, some persons
sensibly affected (i.e. nervous) & a talkative
person cannot keep secrets & secrets
I keep in mind, if a person is to be stop-

fever. Finally, marasmus, & perhaps, convulsion, are produced. From looseness of vessels, with anther, upon the surface, ~~But the~~ But its most singular effect is upon the urine. On the second day after the taking of the article a tenfold excess of his own urine will produce another fit if ^{for it next day} toxication. The urine will have 4 or 5 times the extraordinary qualities of the article. It may thus be propagated through 5 divisions. Old men know, upon this article) procure their own - upon the scarcity of the article.

The effects fall strictly under the definition
of intoxicating - an effect produced by it,
as both rational & various legends, in the

Phenacop. Bat. says, our no. 20
is, before we do, so we must do.

Observed in Epilepsy & applied to a ship
wreck, Nov 16 99, illustrated part.

Opuntia Stone. The Continued ones,

Cancer, Compositae, Affectiones, ex ill. comm
 m. sp. 6 v. 16 u. die Plin. Rosica.

close the shutter, keep closed

medicines appear to compound its properties;

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with three of some other article,

Gray copied from Swedish. Whether does it
they call it *serena* & *colloidal*

Probably it will prove a fine soap
and ^{most} convenient medicine

Obstinent Narcotics

That induce or derive morbid secretions
and resolve in flux & ebullition

Conium Maculatum

WORMWOOD 4. (Cicuta Lutea) has never been
identified. Linnaeus applied it too to
different plants. Great confusion resulted
Paracelsus endeavored to remedy this by inter-
changing the names, this made the confu-
sion much worse. Lat. *Conium maculatum*
All parts active - leaves, root so. Smell
like mace or like the name of a cat.
Most active when its blossom first begins to de-
cay (an exception to the general) - & later
it grows in a cool climate & with moist situa-
tion

Water said not to extract its properties
& Alcohol (or better ether) may be used

When the ethereal portion is evaporated
from water - concrete is left a thick
greenish ser. fluid. so. Called an
alkali (or alkalioid) In of the s. side.
units, each 15 or 16 parts of an acid of
some the most salubrious ^{or neutral} - is narcotic
- though they combine with acids in definite
definite proportions. Tests of Opium - via
Ed. & von (translation.)

Paris infers, that this is not the active
principle & that the plant is improved by
drying - both conclusions false.

An efficient deobstruent - moderate
narcotic - secondarily it is laxative
said to be emmenagogue - but only so as a
part of its deobstruent operation. Boerh.
has not found it diuretic except in chronic
cases, where there had been a disease.

Reverberation of the liver changes
the secretions of the al. can. Causes cer-
tain diseases. Resolves inflammation.

A deobstruent it produces most of the
valuable effects of mercury without its con-
venient effects. It acts more powerfully
upon a torpid liver (as in jaundice) than
mercury.

Alloys volatile, Relieve pain
produce nausea, vertigo, prostration
muscular weakness &c. Hence narcotic.

Dr. Sauer took 18 grs. in 5 hrs.
of good extract. It produced some ex-
citation. The operation began in about
3 hrs. - came to its height in 4 hrs. more
& went off in 3 hours more. Symptoms
inclination of gait, contraction of pupils
&c. - Considerable narcosis. Next day in-
convenient secondary eye setting.

Indicated in ^{1st} chronic bicyclic
2^d in ^{2nd} chronic bicyclic, ^{3rd} in ^{3rd} chronic bicyclic
~~chronic bicyclic~~

3^d in ^{3rd} chronic bicyclic
bicyclic 3^d in ^{3rd} chronic bicyclic
bicyclic 3^d in ^{3rd} chronic bicyclic

4th in ^{4th} chronic bicyclic

5th in ^{5th} chronic bicyclic

6th in ^{6th} chronic bicyclic

But Acute infl. in which a considerable
quantity nervous, a crisis or are indicated
here Comina may be given.

It may be successfully given in Chloro-
3) at a dose (yet this is an acute disease)

Not a very active poison. The effects seem to be epigastric uneasiness coldness, blindness, nausea & vomiting &c. caused by exhalation, produced by a lesion of the brain & nerves.

These 1st 2000 lb area leaves but these are very variable.

The tree requires too much alcohol expressed epiasia extract is the best what it fits in the latter part of the day ~~season~~ ^{year} ~~the~~ ^{the} ~~leaf~~ ^{leaf} ~~off~~ ^{off} ~~it~~ ^{it} ~~leaves~~ ^{leaves} ~~and~~ ^{and} ~~boast~~ ^{boast} ~~the~~ ^{the} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~press~~ ^{press} ~~for~~ ^{for} ~~the~~ ^{the} ~~juice~~ ^{juice} ~~is~~ ^{is} ~~large~~ ^{large} ~~pl~~ ^{pl} ~~to~~ ^{to} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~sun~~ ^{sun} ~~add~~ ^{add} ~~no~~ ^{no} ~~water~~ ^{water} ~~avoid~~ ^{avoid} ~~the~~ ^{the} ~~dense~~ ^{dense} ~~of~~ ^{of} ~~night~~ ^{night} ~~Apply~~ ^{Apply} ~~no~~ ^{no} ~~heat~~ ^{heat}.

Heat higher than that of the sun is said to improve it. Put it to a container suitable for jelling without any addition. But the market has been filled with a watery extract of no value. Its sensible properties are quite different.

Prof. L. has made a tinct. by filling a bottle with leaves and adding alc to give 3 proof sp. to dry leaves then expressing - he has reduced it so that a teaspoonful could be done but this requires too much alc. for pain - aice, n. n. n. The tinct seems to

be more narcotic and less debilitant than the extract. The extract seems not to produce as extensive narcosis, so much as the leaves do - and some slight change of properties seems to be produced by the process of forming the extract, by which the article is more debilitant.

Generally, the quantity necessary to produce sufficient debilitant effects will produce no inconvenient narcosis. 2 or 3 grs in a day will be necessary for this. But Prof. T. has occasionally given 1 or 2 drams without the slightest ultimate narcotic effect.

Prof. T. has never found it directly narcotic - only so by its debilitant and narcotic effect - relieving paresis of the nerves of the stomach &c.

Because this article produces a cerebral vertigo, &c. given in unequal quantities at short intervals & repeated, it has been supposed to be a poison. Prof. T. is certainly so - but all the narcotics may produce this effect.

1/2 Doze 1 to 5 grs. Prof. T. generally begins with about 1/2 gr. & increases till it produces

The operation of a large dose usually
commences in 4 or 5 hours. The N may con-
tinue from 12 to 24 hours.

Opium is useful in a great many
diseases. It is commonly required either as
being in combination e.g. with 3 lines, &c.
(the quantity of opium used varies according to the
effect desired, and these latter are less liable
to salivation) It is rarely to be used in
the dyspepsia.

For the production of the desired
effect in this and other articles, the
system must be within a certain range of
action. Hence dyspepsia is not to be
treated as a disease in itself.

Dr. Rosses & put of them and remains
chiefly its narcotic effects.

Stomachic toothache. Spasmodic dyspep-
sia. Dyspepsia, from interpermeation
of the stomach - at least as an adjunct
to the other. Stomachic toothache perhaps with
the other. Stomachic toothache.

Dyspepsia, from interpermeation, & large dose (say 3i of 4x)

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will arrest a paroxysm *Edrophonium*
 Hectic in children with arsenous acid
 & nuxvom. &c.

Opthalmidiscleroticum (which is always
 rheumatic) - very useful

Neuralgia faciei - of all kinds - in joint
 datura *Clonus* palpitation &

Synclonus tremor

Chorea - ^{val. off.} with iron Sately Prop. &

Leucorrhoea & *nuxvomica* is pref-
 erence *Hemiparesis*

Hysteria a large dose will arrest the
 paroxysm - it may be useful between the par.

Epilepsy - with datura - *Scallop*
 with iron. *Spermocera* in tonic

with ac. lead - also *Sagittaria* fr. (1/2 an)
Pomum mellita

2nd where its debilitant effect is wanted
Chronic dyspepsia - with excessive appe-
 tite &c - with iron

Leucorrhoea 3x

Chorea 3x

off. alc. 1/3 ii

ol. cin. *ol. gaulth.* *ut in m. d.*

sacch. alb. 3ii *Syr. tolu* 3vi &

of compound tinct. cinna. 177

generally add $\frac{1}{3}$ viz - water sufficient
to make 2 parts of the mixture Dose 3℥ss.
This is pleasant to the taste - The alcohol is ne-
cessary to make it keep - If wine is in-
dicated use wine instead of water - Some-
times a small bit of French brandy is put instead
of the tinct. of cinna. - for a tonic - & there-
after is indicated to raise excitability

Diagnosis, flatulencia, & L. album,
(called green diarrhoea) is a disease in dis-
ease of the liver with violent diarrhoea
patient pale (slightly yellowish) - difficult
to determine its nature

Dyspepsia accompanied with neuralgia
pain which must be relieved (it pains) with
opium

Sequel, of colic

Indication to protect - with iron
Scleritis vulgaris - with iron - most val-
uable as much as he can take without
too much narcosis. If the bowels are

slow, prescribe slow cath. of calomel
where the disease is cured by cal alone
the yellowness of the skin will often remain
for a week. Calomel removes the yellow-
ness is, soon as it cures, the disease
The disease is the use of calomel to cure

2
was also made (as a case told,
by Phys. in Boston. But it had been
used in the N. of Eur. & in Italy before
Peters, malaria with acris

Chelidonium. Parabismata - it
will cure those which result from neg-
lected intermittents. But quinine is a
sovereign remedy for these - as is now
well understood though so contrary
to the prejudices of Prof. T. & others.

Quinine is not a congesting article
Prof. T. has used it still oftener in
parabismata from malaria - not pre-
ceded by intermittents

P. stous - P. & chloroform
with acris (capsic.) tonics &c.
Peters from malaria - Conium will
cure, but quinine is far better

Cerebratic gastroenteritis
combined with red proc. & covered sub.
Almost all the erythematous infl.
As an auxiliary in membranous

Pharyngitis purp.

Rheumatism - useful auxiliary in
the acute - useful in subacute and
chronic rheum.

White matter auxiliary Cancer
repulsive

Lues Syphilitica

Persevering use of Cong. iron by, evoked a
tendency to sick headache

Disturbance of the mind

Paranoia difficilis (not new from ife
in it) relieve a paroxysm & continue it
next day

Urea of the excretory organs with iron
Le. corallina with ant. seb. & capric.

Urea of the Sol. in flatus

Chlorosis, in the next iron

Leprosy, pharyngitis, & leprosy of the pelvis
several varieties with arsenic

Case related of supposed also sarcoma
(perhaps a rheumatic aff. or a thought
perfectly desperate - cured by con-
pudently pulled

Calafusa, of recent iron - extract
rec. for anal. ulcers The plaster
is inefficient & preparative

Treat cases of poisoning by this as
as those of other narcotics - by quick
vomits - by ant. em. by acrid nervines
or by any other abstr. &c.

1744 There is no union or whatever it is in-
deed, you are interested.

History First and ultimately by
March 1760. It grows very popular -
too much was expected from it and
cannot be conformed. It took over 200
century before his time with respect to
man, articles of all etc.

Conium maculatum of L. affords
an excellent root equal to our potatoes

Urtica dioica L.
Erect. Circular lvs. Opposite
dark green. Habit climbing, rarely tree
like. Native of Europe, introduced
with us - abounding about Hartford & Meridenfield.

It is as nearly equal to those of
C. mac. - but, much more active
I. Woodward has employed it exclusively
in conference with difference between it
and C. mac.

4 good subject presented

Cicuta maculata

Lower greenish, slender
Root the most active part. Strongly with
Vine like.

More active than Coma. Most
powerful article we have indigenous
Wichita for a long time (was often in clay tone) to

Case. Young lady lost it for angeline
Soon she had vertigo blindness weakness
of extremities. 8 hours after was much
relieved. far distressed. In this disabled
restlessness, jactitation cold sweat
The patient had vomited too. Sulph. vin
was given in obedience to the doctor. It
produced free vomiting. It gave no re-
lief, and aggravated all the symptoms.

Treatment. 50 drops
every hour. Spirit water of wine. Also
red heat. Much better rest & recovery.
Cures of 6 & 7 for a period of one weakness
in the body, so. Cured in 10 or 12 days

Vide Bigelow in case of death in 12 hours
not conclusive, perhaps so.

Most physicians report their symptoms
to which I believe which does not give
it much the same as a prior angeline & calomel.

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with us, or the versicolor, which produces
no such symptoms.

If vomiting is needed, mustard appears
to be the best article (also radishes, flowers and
after these Sulphur Zinc and Copper -
Sulphur Merc. The latter two are speedier
and as kind as Sulphur Zinc. Sherboke
direct 20 gr Sulphur Zinc at once if it were
a large dose - but Prof T. in most cases
finds 20 gr necessary to produce full
emitting.

Purgings may be considered as ~~at~~ sel-
dom necessary if we give Castor oil -
then a prodigious copious watery secretion,
and exhalation.

Purgers is directed as a minor cathartic -
as a cathartic for it is too strong. It originates
the exegic theory, most respect to
narcotics - purgatives was supposed to ~~be~~
diacetylenic.

Coffee and tea may do as well as pur-
gatives - but alc. & opium are better.

~~Purges~~ Medicinally used for a little
processes of same power in kind as the
narcotics - but is much more powerful in degree.

Cicuta bulbifera 171

Tensel beard to base etc.

Said to be stronger than Conium
& supposed to possess the same power
Weaker than C. maculata

C. maculata of Dr Green-
way was probably C. maculata

C. virosa (Europe)
Seems to have the same power
the root as C. mac. but to be rather
weaker

All these species seem to be
perfect substitutes for Conium

Cenacthe crocata
A European plant sometimes found
in the U. S.

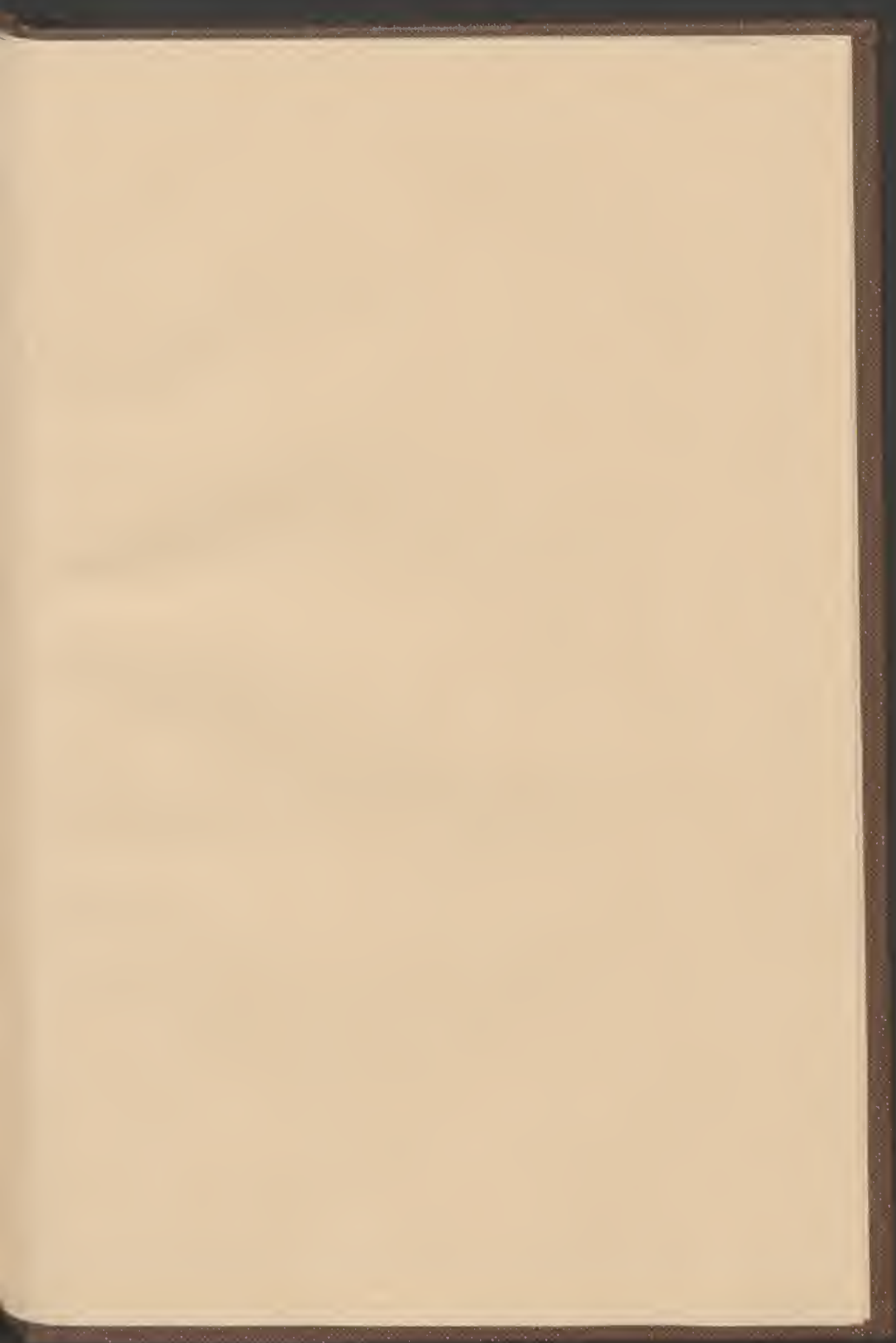
Probably similar to Conium
The root is used

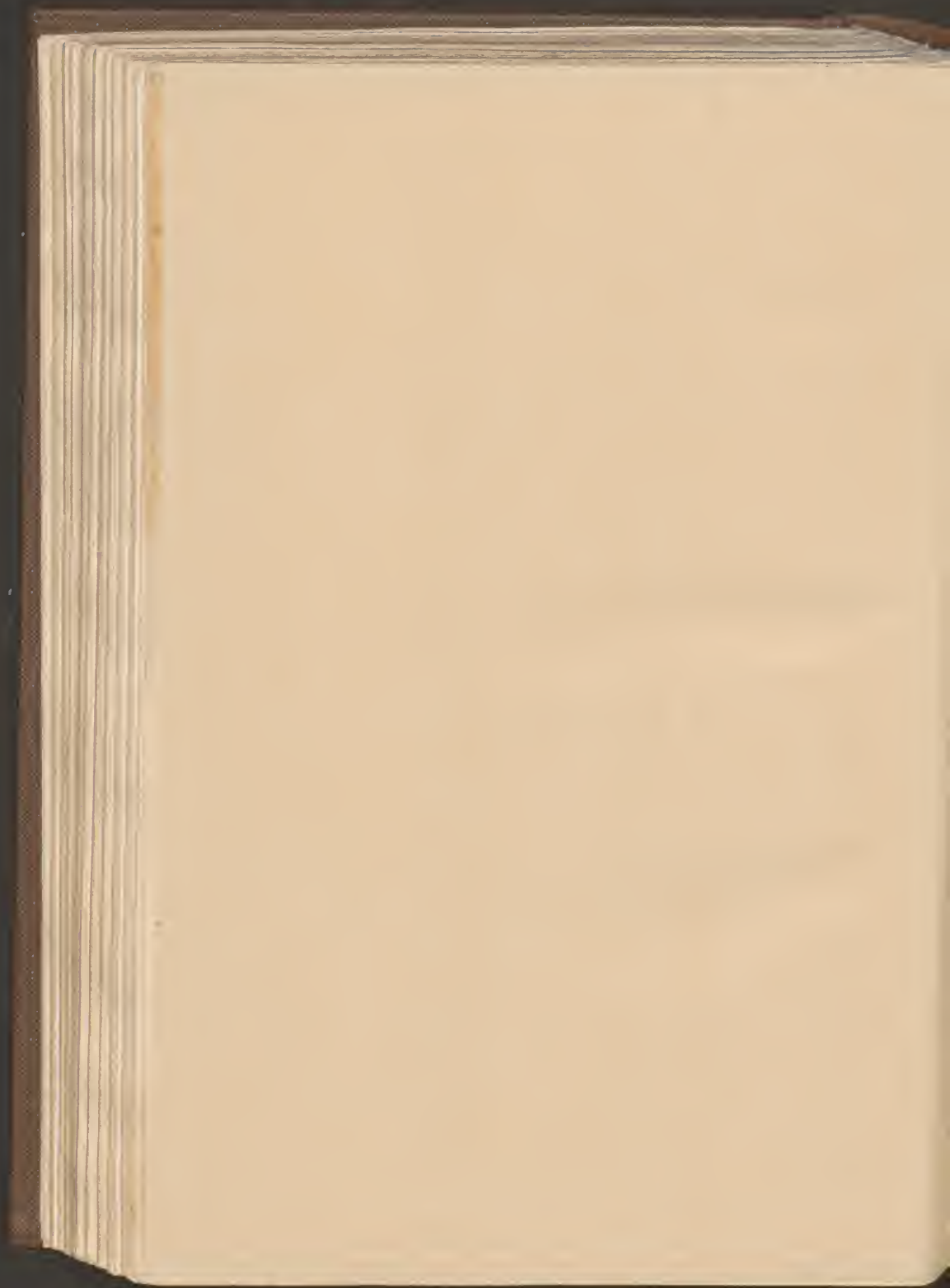
It causes a state of poisoning

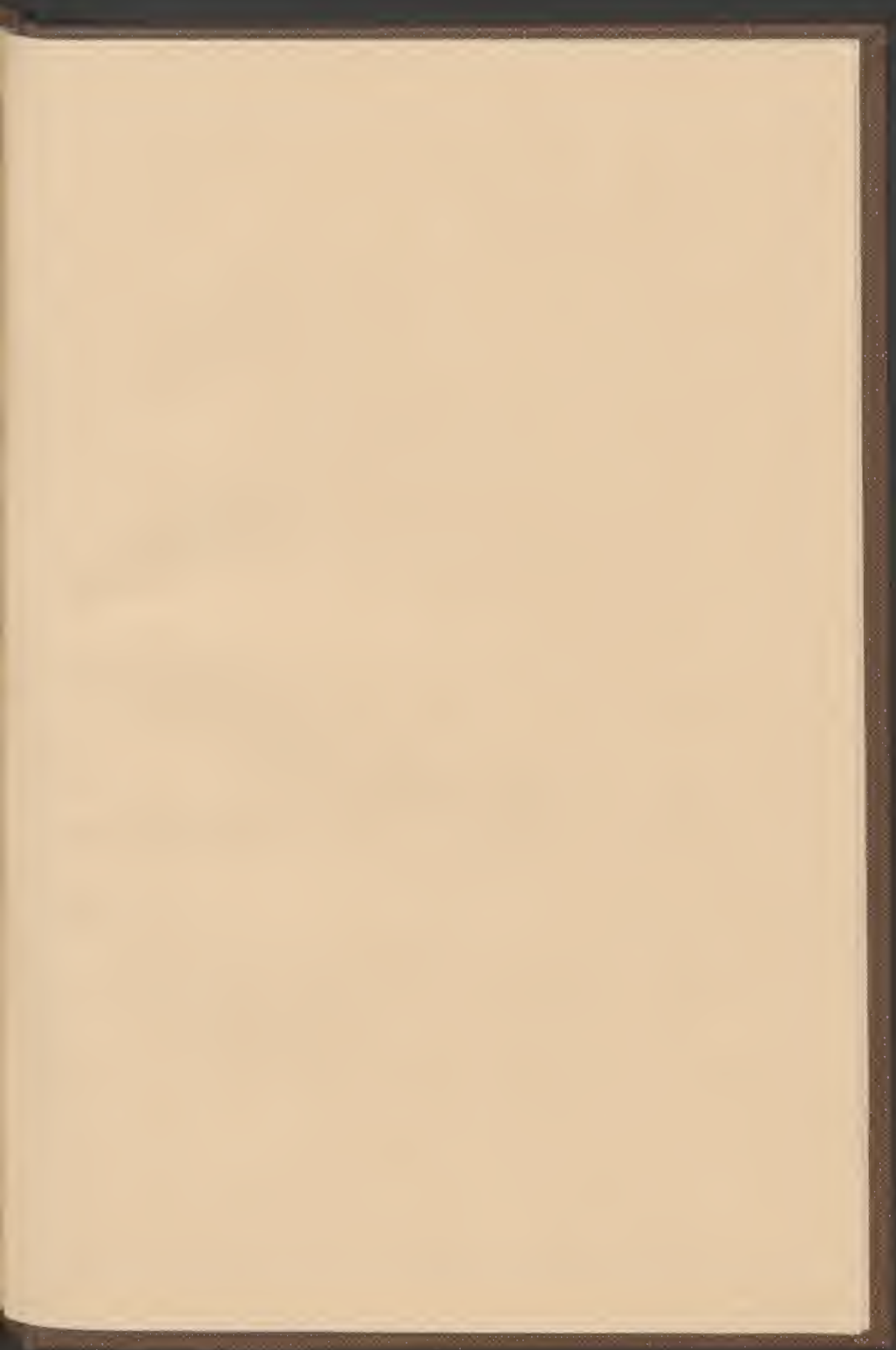
178

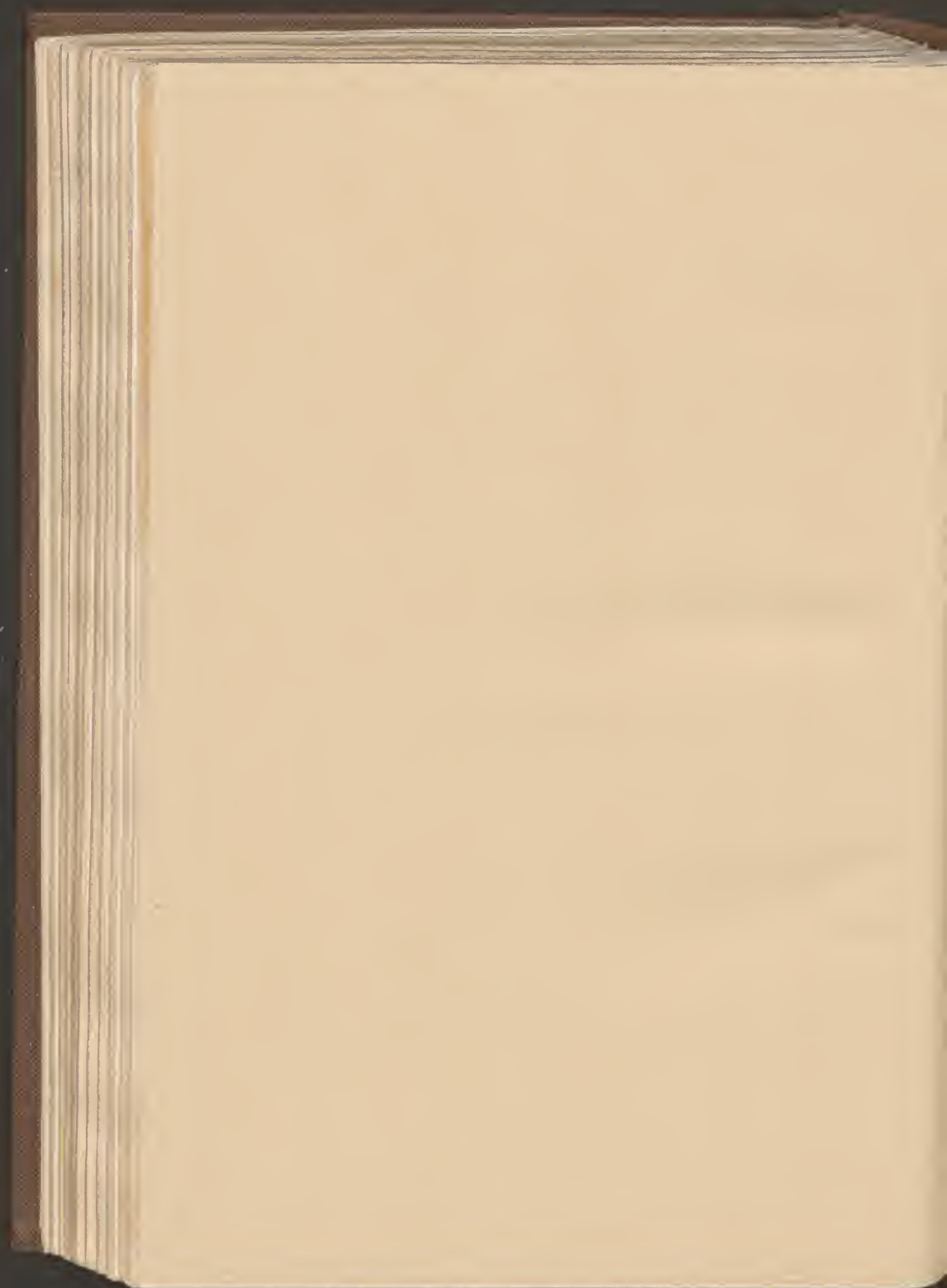
MS
B. 1
22
1. 8

180

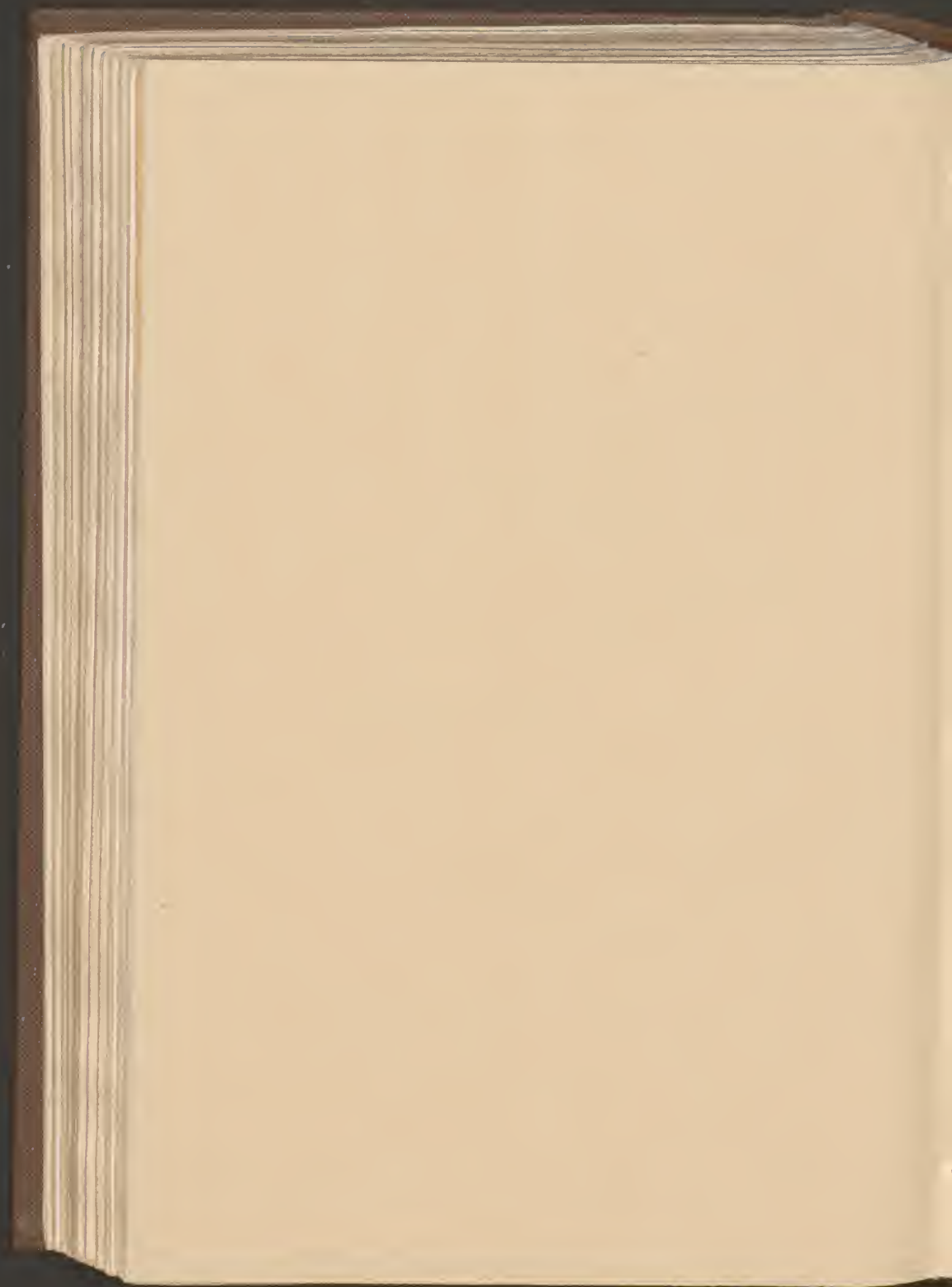


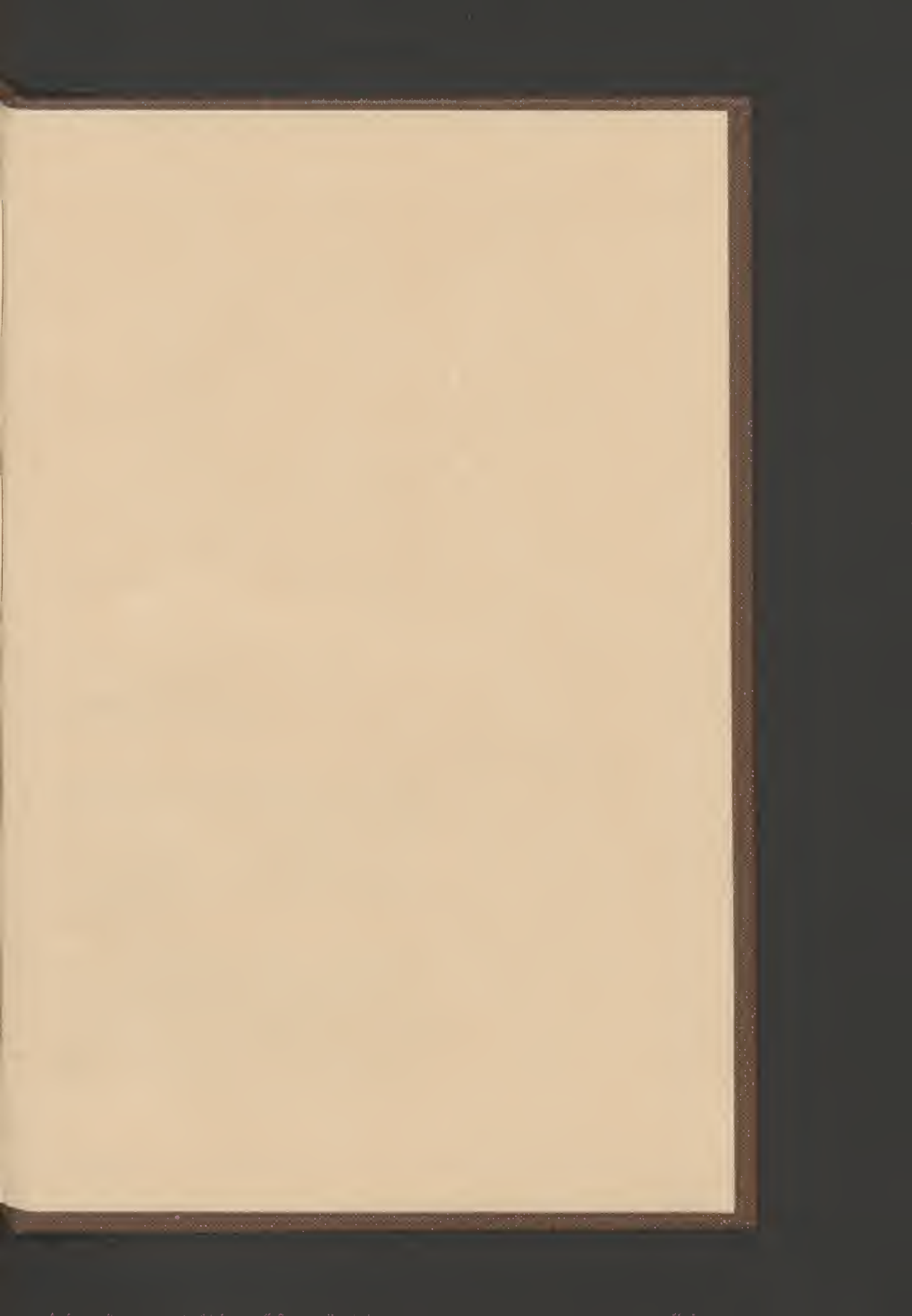


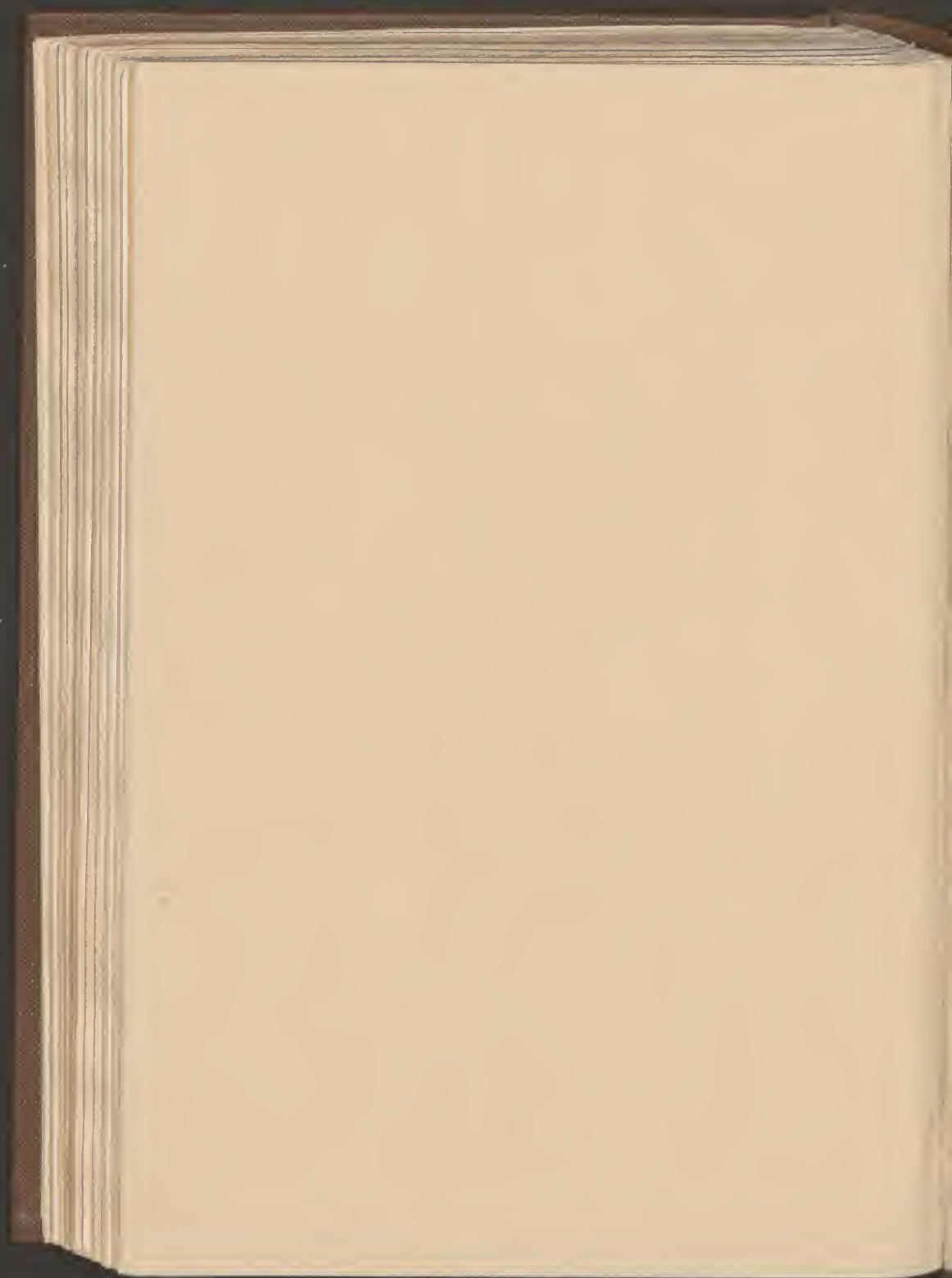












Ives, Tully. Vol. 8.
National Library of Medicine
Bethesda, MD

Condition On Receipt: The half leather and decorated paper binding was extremely dirty, worn, abraded, deteriorated and powdery, particularly at the corners, edges, endcaps and joints. The joints and internal hinges were partially broken. The sewing was loose in places, and several of the pages were detached from the text block. The pages were torn, dirty, discolored, acidic, weak and brittle. The manuscript inks present were acidic and varied in intensity.

Treatment: The volume was collated and disbound. The inks were tested for solubility. The head, tail and pages were dry cleaned and washed and then buffered (deacidified) with magnesium bicarbonate solution. Tears were mended and folds guarded where necessary with Japanese paper and rice starch paste. The volume was sewn on linen tapes with linen thread. Windsor handmade paper ends with a linen hinge were attached. The volume was case bound in full cloth. Title information and lines were stamped in gold foil onto the spine.

Northeast Document Conservation Center
April 1986
SO:SO/JN/MW

